



Mr. Hoppus's Measurer

Greatly Enlarged

And

Improved.



The ATTESTATIONS of several ingenious Gentlemen, (who have appeared in PRINT) in Favour of this Work.

I. **T**HE Content exhibited by the *Girt* is the *most just*, giving near a *Medium* in Content or Quantity between the Extreams of Measuring by the *Geometrical Way*, and by the *Square within* (both which Ways are in *some Cases*, liable to Objection) and is certainly the *most equitable Way* of measuring, between the *Buyer* and *Seller*; and therefore TABLES were, with *just Reason*, more particularly adapted, and the RULES given for *that Way* of Mensuration, which hath obtained to be a *reasonable and customary Method*.

E. HATTON, *Gent.*

II. **T**HERE hath been great Pains taken by several Authors upon this Subject endeavouring to set aside this *customary Way* of measuring. but since a *CUSTOMARY PRICE* is settled accordingly, it is but a *vain and fruitless Attempt*; because if *the one* is altered, *the other* must be altered also; which comes to the same thing.

EDWARD LAURENCE,
Land-Surveyor.

III. **T**O make a Bussle about an *absolute Exactness* in Tables of this Kind is *Idle*, and can argue no great Sagacity: For to pretend to *refine* upon these Things which are of a *PRACTICAL Nature*, to any Degree beyond what is ever likely to be admitted into *PRACTICE*, is not only an Argument of *great Vanity*, or *little Judgment*, but discovers a stronger Inclination to *amuse* Mankind, than to do them any *real Service*.

CHARLES LEADBETTER,
Teacher of the Mathematics, LONDON.

-
- I. See *his Vindication of Measuring by the Girt*.
II. See *his Office and Duty of a Land-Steward*.
III. See *his Observations on J. Worgan's Tables*.

Practical Measuring

Made Easy

To the Meanest Capacity

By

J. S. Dixon

A New SET of TABLES;

Which shew at SIGHT,

The Solid or Superficial Content (and consequently the Value) of any Piece or Quantity of squared or round Timber, be it Standing or Felled, also of Stone, Board, Glass, &c. made Use of in the Erecting or Repairing of any Building, &c.

Contrived to answer all the Occasions of Gentlemen and Artificers, far beyond any Thing yet extant: The Contents being given in Feet, Inches, and Twelfth Parts of an Inch.

With a Preface;

Shewing the Excellence of this New Method of Measuring, and Demonstrating, that whoever ventures to rely upon those OBSOLETE Tables and Directions Published by ISAAC KEAY, is liable to be deceived (in common Cases) 10 s. in the Pound.

By E. HOPPUS,

Surveyor to the Corporation of the London Assurance.

The SEVENTH EDITION.

Greatly improved,

By the following Additions;

- I. New Tables shewing at SIGHT the VALUE of any Piece or Quantity of Timber, Stone, &c. at ANY PRICE, per Foot Cube.
- II. Mr. HOPPUS's Table of Solid Measure app'ied to the Freightage of SHIPS.
- III. Some very curious Observations concerning the Measuring of Timber by SEVERAL DIMENSIONS, communicated By one of his Majesty's PURVEYORS.

L O N D O N:

Printed, by Assignment from the Trustees of
E. Wicksteed, for

Mess. HAWES, CLARKE and COLLINS;
J. RIVINGTON; J. HINTON; S. CROWDER, and Co. T. CASLON; and J. COOTE.
1765.

Be careful to observe,

[Mr *Hoppus* and Mr *Wicksteed*
being both dead.]

✠ That no COPY of this
SEVENTH Impression of *Prac-
tical Measuring, made easy to the
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sent Proprietors.

J. Coot



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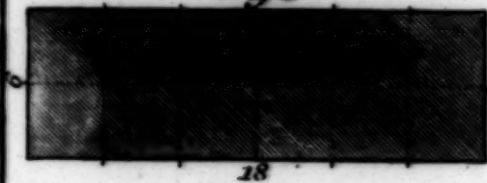
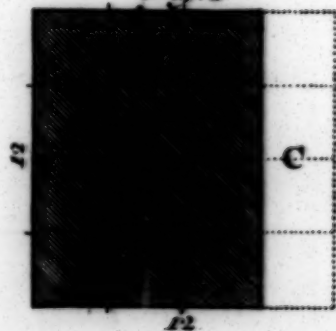


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Fig. 1



Fig. 2



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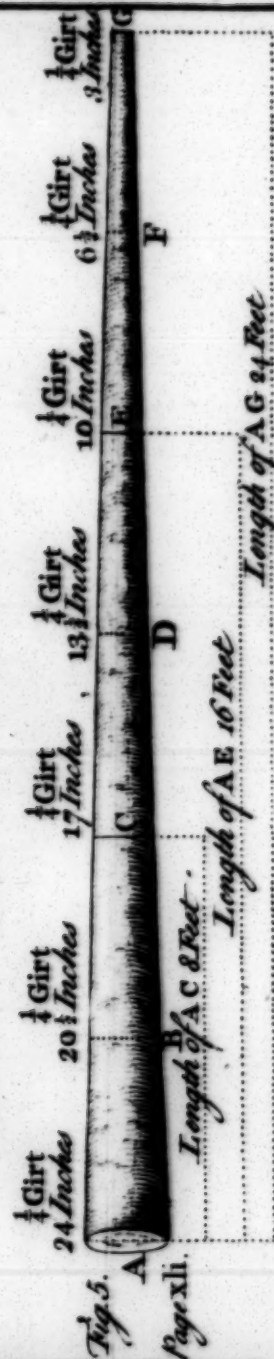


Fig. 5. Measured by 3. Dimensions.

The Piece	$\left\{ \begin{matrix} AC \\ CE \\ EG \end{matrix} \right\}$	measured singly makes	$\left\{ \begin{matrix} 23\frac{1}{4} \\ 10\frac{1}{4} \\ 2\frac{1}{4} \end{matrix} \right\}$
The Total	as 3 Pieces		35 $\frac{1}{4}$
	as 1 Piece		30 $\frac{1}{4}$
	Gained by 3 Dimensions		5 $\frac{1}{2}$

The Part C.G. by 2 Dimensions.

The Piece	$\left\{ \begin{matrix} CE \\ EG \end{matrix} \right\}$	measured singly makes	$\left\{ \begin{matrix} 10\frac{1}{4} \\ 2\frac{1}{4} \end{matrix} \right\}$
The Total	as 2 Pieces		12 $\frac{1}{2}$
	as 1 Piece		11
	Gained by 2 Dimensions		1 $\frac{1}{2}$

P R E F A C E.

TO those who are unacquainted with the *intolerable Blunders* and *numerous Imperfections*, with which *other Tables*, already extant, for the measuring of *Timber, Stone, &c.* do abound; to such, I say, it may seem unnecessary, at this Juncture, to trouble the World with any *new Calculations* upon this subject: Yet upon an impartial Examination of what has been published upon this Head, it will appear, that it has hitherto been the Fate of those Writers either to have been very *indolent*, or *very ignorant*, or, what is still worse, *very dishonest*.

DARLING'S *Carpenter's Rule made easy*, and KEAY'S *Practical Measurer*, are the Books got into the Hands of most *Buyers* and *Sellers* of *Timber, Stone, &c.* and have been too long already *implicitly* relied upon; especially the *last*, as will appear from the following Observations.

I. In *Darling*, it's true, you have a Table for finding the *true Square* of *unequal-sided Timber*; but then it's so far from being *generally useful*, that if you have any Occasion to look for the *Square* of 2 Inches by 5 Inches, $2\frac{1}{2}$ by $7\frac{1}{2}$, $3\frac{1}{2}$ by $11\frac{1}{2}$, $5\frac{1}{2}$ by $17\frac{1}{2}$, &c. they are no where to be found; notwithstanding these Dimensions

are frequently wanted for the measuring of *Joists, Bond Timbers, Lintelling*, and several other Sorts of *Timber*, as well as for *Stone, &c.* used in Building. And then *Darling* having extended his Table of *the Square of unequal-sided Timber* no farther than to double the *lesser Side*, and beginning with 2 and ending with 36 Inches; this has rendered them very *defective*, and consequently of *little Use*. Whereas these *new Tables*, from 2 as far as 9, run to 18 Inches the *other-side*, and are extended to 54 Inches the *largest side*, equal to the Extent of the Table of *solid Measure*, to which they relate. And besides all this, the Table he exhibits for the ready finding the *Contents of equal-sided Timber* is so very short, that *Darling* in this respect is more *defective* than even *Keay* himself.

II. In *Keay* you have no Table at all for the measuring of *unequal-sided Timber, Stone, &c.* but thro' the *Ignorance or Dishonesty* of the Author,* an *erroneous Rule* is laid down, viz.

) “ *Add*

* If *I. K.* did really believe that the Contents of: *unequal-sided Timber* could be found by his Tables, observing the RULE he gives in the last Page of the *Explanation* of his Table of *solid Measure*, it is very plain from the following Examples, that he *exceeded in Ignorance*.

And if on the other Hand it can be supposed he was aware that his *Tables and Directions* would not answer their End, it is undeniable, that he has treated the Publick with *great Disingenuity*, by taking upon himself to insinuate the Contrary.

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*"Add the two Sides together,
"and take the Half thereof for the
"true Square, or take a Fourth
"of the Girt, or Four Sides."*

Now *this Rule*, which he lays down for your *Guide*, is so far from *Truth*, that a greater *Fallacy* could hardly be asserted.

EXAMPLE I.

[See the Copper Plate Facing page xi.]

Let Fig. 1. (mark'd A B) represent the End of a Piece of Timber or Stone, so unequal-sided as 18 Inches Broad, and but 6 Inches Thick.

Now to find the true Square of this Piece, Keay directs you to add together the two Sides, viz. 18 and 6, which makes 24 Inches, and if you take Half of that Number, viz. 12, says he, you have the true Square; whereas by these new Tables, and in Fact, it is not quite 10 Inches $\frac{1}{2}$.

DEMONSTRATION.

Let Fig. 2. represent a Square of 12 Inches each Side, then divide Fig. 1. (by the strongest dotted Line) into two equal Parts, and take that Part marked B, and place it in Fig. 2. then take the other Part marked A, and place it in Fig. 2. likewise; and when this is done there will plainly appear to be wanting all the dotted Part C, which is no less than one Fourth of the whole Square; and consequently

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quently the Buyer, if he relies upon the Advice of the judicious Mr. Keay, he certainly pays for one Fourth more Timber than in reality he has, or ought to pay for.

But this Mistake of 5 s. in the Pound, you shall see, is only one of Mr. Keay's Peccadillos.

EXAMPLE II.

[See the Copper Plate Facing page xi.]

Let Fig. 1. (marked DE) represent the End of a Piece of Timber so unequal-sided as 18 Inches broad, and but 2 Inches thick.

Now if you rely upon Keay, and add together the two Sides 18 and 2, it makes 20 Inches, Half of which, says he, is the true Square, viz. 10 Inches; whereas by my Tables, and in Truth, the true Square is but 6 Inches.

DEMONSTRATION.

Let Fig. 2. represent a Square of 10 Inches each Side; then divide Fig. 1. (by the strongest dotted Line) and take that Part marked D and place it in Fig. 2; then take the other Part marked E, and place it in Fig. 2. likewise; and when this is done, there will plainly appear to be wanting all the dotted Part F, which is near two Thirds of the whole Square, and consequently the Buyer, when in Fact he ought to pay but 7s. 2d. $\frac{3}{8}$, if he's guided by Keay, he must pay 20 s. which

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which is 12s. 9d, $\frac{1}{4}$ in every 20s. in his own wrong.†*

	s.	d.
* Should be paid	07	2 $\frac{1}{4}$
K. advises you to pay too much	12	9 $\frac{1}{4}$
	20	0

† But, perhaps, the above Manner of Demonstration, which is *Geometrical*, may not appear clear and satisfactory to all, and therefore I shall demonstrate the *Fallacies* of Keay's Rule *Arithmetically*.

DEMONSTRATION.

Suppose you have a Piece of Timber, each side whereof is 12 Inches (or a Foot Square) these multiplied into each other (viz. 12 by 12) make 144 (the Inches in a superficial Foot;) but should the Sides vary, or become unequal, ever so little from this Size, there will be a Fallacy in the above-mentioned Rule.

For, was one Side 13 Inches, and the other 11, these added together, the Half will still be 12 for the true Square.

But if multiplied together (as they always ought to be, and are in the Calculation of these New Tables) it will be but 143. So that here is One superficial Inch too much in every Foot of Length, be there ever so many.

AGAIN,

If one Side is 16 Inches, and the other 8 Inches, these added together, the Half is also 12, for the true Square; but multiplied, it is only 128; so that in this Case, whoever has any Thing to do with Keay's Rule and Tables, will certainly pay for 16 superficial Inches too much in each Foot in Length, be there ever so many.

Let us now re-consider Example I. and II. *Arithmetically*.

In Example I. 18 multiplied by 6 is but 108, and, consequently, Keay's Rule, which makes it 144, is exceeding false, that being 36 superficial Inches too much in every Foot in Length, be there ever so many; or one Fourth, as was before demonstrated.

From

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From these *Demonstrations* it is plain, that no Man ought to assume the Character of an Author, and *publickly* to take upon himself to determine in the Business of MEUM and TUUM before he is well assured of his own Abilities for such an Undertaking, and is resolved to make some *Conscience* of what he publishes: If a due Regard had always been had to this Consideration, we should never have met with any *Formal Pretender*, presuming to teach others those Things, which it is evident *he did not understand himself*.

I should scorn to make these Observations at all for the Sake of Disparaging the Performances of others, or to build myself a Reputation on their Ruins; but I think myself obliged to acquaint the Publick with the plain Truth of Things without Favour or Affection; and I am satisfied, if this Conduct were oftener practis'd, both the Time and Expence of gaining useful Knowledge would be much shortened; and whoever endeavours to promote

In Example II. where the *different* Sides are 18 and 2, these *added* make 20, whose *Half* is 10, which being *multiplied* by itself (*viz.* 10 by 10) is 100; whereas the Sides *multiplied* together make but 36, and consequently, if you have any Thing to do with *Keay's Rule and Tables*, you certainly pay for 64 *Superficial* Inches in every 100 Inches more than you have, which is above 12 s. 9 d. in every 20 s. more than ought to be paid, as was before *Geometrically demonstrated*.

that,

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that, let the Returns he meets with be what they will, he certainly lays the Publick under the greatest Obligations.

By *this Time*, it is to be presumed, no Man can doubt the Publick to be in want of a *new* Set of Tables for measuring all Sorts of *Timber, Stone, Boards, &c.* and these I here present them with, by giving the Contents in *Feet, Inches, and 12th Parts of an Inch*, which is the most *natural Method*, and best adapted to *ordinary Capacities*, (for whose sake these Tables were principally intended.) I say, the *Method* of these Tables (since it *comes near enough the Truth*, and can be *at Sight* conceived) is *vastly preferable* to the 10000 Parts of a Foot, made use of by *Darling*; or the more unintelligible 432 Parts of a Quarter of a Foot, made use of by *Keay*.

The Table of *Superficial* or *Flat Measure* is *new*, and is extended to 24 Inches the *Breadth* (which is *double* the Breadth of *Keay's*) and is calculated to the Exactness of a *Quarter of an Inch*; which renders it very useful to *Glaziers, and others*, who Measure *flat Work* to the *greatest Exactness*, which *Keay's* Table of *Flat Measure* does not, by Reason he has omitted the *Quarters*.


From a Sense of the *fatal Consequences* that Mistakes in Printing must occasion, in Works of *this Nature*, I have been cau-

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tious in examining each Number throughout the Book, so that I have Reason to believe they are *all exact*; and therefore, both the *Buyer* and *Seller* may depend upon meeting with *mutual Justice* from these Tables; which, it's plain, from what has been said above, they are not to expect from *Keay's*, where the Press-Errors are gross, and numerous.

I believe no Body can doubt these Tables to be as extensive as was consistent with my Design of making them a *cheap Pocket-Companion*; and if the Publick does but reap the Advantage from them, which I intended they should, it will be ample Satisfaction to me, and I think they can have no Reason to complain.*

E. H.

[ *The new TABLES shewing the VALUE of Timber, Stone, &c. (cut to any Size or Scantling) per Foot-Cube, added to this SEVENTH Edition, we dare say, will be found so very Useful to all who are concerned in Building, that we need not think of making any Apology for inserting them.]*

* POSTSCRIPT.

The List of the *present* Prices of *Locks, Bolts, Hinges, Nails, &c.* in the APPENDIX, is *entirely new*, and full of such Intelligence, as must afford great Satisfaction to those, who desire to be good *Husbands* in the Affair of Building.
And

And therefore, I am persuaded it will be well received by those who consult it.

The Prices I have set down are such as they are *now* sold at by the *wholesale* Smiths and Ironmongers, either to *Workmen* or *Gentlemen*, who take them in *such Quantities* as I have set them down (*viz.* some *single* and some in *Dozens*, &c.) for those *Retailers* or *Shop keepers*, who buy them of these large Dealers, to sell again, have them for less than I have set down, *viz.* at the *Retailer's Price*.

I have sometimes heard inconsiderate People, as well as those whose Interest it is that the *real* Value of these Sorts of Goods should remain a Secret; object against the publishing any Thing of this Kind; because every one has not an Opportunity of applying always to the *wholesale* Ironmongers and Smiths for what they want, but are forced to take what they have Occasion for from the *Retailer* in the *Country*, at his Price, and of which, say they, you have not taken the least Notice. In answer to this, let such People take the following Considerations.

I. That it is impossible, in the Nature of the Thing, there could be any *one* Book of Rates for these Goods which would hold *equally* in all Parts of the Kingdom alike.

II. That many of the *Country Retailers* are very Arbitrary, and will not at all be satisfied with a *moderate Profit*, which the *wholesale* Dealers must; for he who is not, can have little or no Business; and tho' the *Gentlemen* and *Workmen* are not always well acquainted with the Value of these Goods, yet the *Retailers* always are, and, knowing the different *wholesale* Dealers, will always go to one who uses them best.

III. For these Reasons (in which I have been confirmed by the Advice of several skilful and intelligent Workmen) I have chose to set down those Prices only which the *wholesale Dealers* take of *Gentlemen* and *Workmen*; because from these it is *easier* and *safer* both for the *Gentleman*, and *Workman*, to draw more advantageous and beneficial Conclusions, than from any other Prices whatsoever.

THE
EXPLANATION
AND
USE
Of the following
TABLE
OF THE
Square of *unequal-sided*
TIMBER, STONE, &c.

Beginning *Page 2*, and ending *Page 22*.

BEfore I proceed *to explain*, and shew *the Use*, of the Table of *solid Measure*, it is necessary that I should *exp'ain*, and shew the *Use*, of the Table of the *Square of unequal-sided Timber*, whereby any Piece of Timber, Stone, &c. being *broader one Way* than the *other*, we may find the *Side of the Square* equal thereto.

I. At the *Beginning* of this Table, betwixt *two parallel Lines*, stand *two Inches Square*, which two Inches is the *Thickness*, or *lesser Side*, of the *End* of a Piece of Timber that you would find the *Square* of; and under the said *parallel Lines* are *three Rows* or *Columns* of *Figures*: in that Column to the *left Hand*, divided from the *other two* by a black Line, is the *Breadth* or *larger Side* of the Piece to be measured.

Note,

The Use of the Table of, &c. xxi

Note, The little Figures of 2, which, in the said left Hand Column, stand between 2, 3, 4, 5, &c. signify two Quarters or Half an Inch.

II. The *second* and *third* Row of Figures shew the *Square* of the Piece in *Inches*, and *Quarters of an Inch*, answering to every *Inch* and *Ha'f Inch* of *Breadth* in the *left Hand Column*.

To find the *Square* of unequal-sided *Timber*.

EXAMPLE I.

Suppose you have a Piece of *Timber* or *Stone*, the *End* of which is 3 *Inches* Thick, and 7 *Inches* Broad, and want to know the *Square Side* of it :

Look in the *Table* for 3 *Inches*, the *Thickness* (or *lesser Side*) betwixt the *parallel Lines*, keeping your *Eye* down the *left Hand Column* till you come to 7, and over against that, in the 2d and 3d Row, you'll find 4 : 2, which signifies, 4 *Inches* 2 *Quarters*, or Half an *Inch*, and that is the *Square Side* of a Piece of *Timber* or *Stone*, equal to 3 *Inches* Thick and 7 *Inches* Broad.

EXAMPLE II.

If you have a Piece of *Timber* or *Stone*, the *End* of which is 4 *Inches* and an *Half* Thick, and 11 *Inches* and an *Half* Broad, and wou'd know what is the *Square* of it :

Look for $4\frac{1}{2}$, the *Thickness* (or *lesser Side*) betwixt the *parallel Lines*,

xxii *The Use of the Table of Lines*, keeping your Eye down the *left Hand Column*, and betwixt 11 and 12 is a *small Figure* of 2, which signifies *Half an Inch*, and consequently stands for $11 \frac{1}{2}$ (the *Breadth*) and *over-against* that, in the 2d and 3d Row, you'll find 7 : 1, which is 7 *Inches* and 1 *Quarter*, and that is the *Square Side* of a Piece of Timber or Stone, equal to 4 *Inches* $\frac{1}{2}$ *thick* and $11 \frac{1}{2}$ *broad*.

EXAMPLE III.

Let there be a Piece of Timber whose Thickness at the End is 29 Inches and $\frac{1}{2}$, and the Breadth 34 Inches, the Square Side of which will be found in the Table to be 31 Inches and 3 Quarters.

¶ If any one should object that the *Quarters* of an Inch are not considered in this Table of *unequal-sided Timber*; to such it may appear (from an Example or two) that to have taken notice of the *Quarters* in the Table, would have been *unnecessary*; because there is no *Square Side* to be found *nearer* than what I have calculated.

EXAMPLE IV.

If you have the End of a Piece of Timber 5 Inches and $\frac{3}{4}$ Thick, and 7 Inches and $\frac{1}{4}$ Broad.

In this Case, take the Quarter from the largest Side, and add it to the smallest Side, and then it will be 7 Inches broad by 6 Inches thick.

Then look in the Table for 6, betwixt the parallel Lines, and over-against 7, in the left Hand Co-

Unequal-sided Timber. xxiii

Column you'll find $6 : 2$, which is 6 Inches and an Half the true Square.

EXAMPLE V.

If you have the End of a Piece of Timber 15 Inches $\frac{3}{4}$ Thick, and 19 Inches $\frac{1}{4}$ Broad:

Call it 16 by 19, whose square Side in the Table is $17 : 2$, or 17 Inches and an Half.

N. B. But if a Quarter of an Inch happens to one Side only, you may reject it without any material Loss. For the above Method will be sufficiently near in all Cases, provided you remember to take the Quarter from the largest Side, and add it to the lesser Side. But lest any one should entertain a Prejudice against this Table, by reason the Quarters are omitted, let him take the following:

EXAMPLE VI.

Let there be a Piece of Timber so unequal-sided as 17 Inches $\frac{1}{4}$ Broad, and but 3 Inches $\frac{1}{4}$ Thick.

By the above Rule call it $3 \frac{1}{4}$, by 17, the Square Side of which, by the Table, is $7 : 3$, or 7 Inches $\frac{3}{4}$; take it likewise the contrary Way, and call it by $17 \frac{1}{4}$, and the Square Side by the Table, is $7 : 1$, or 7 Inches $\frac{1}{4}$; and therefore in this Case, the Truth will be the Mean betwixt $7 : 3$, and $7 : 1$, which is $7 : 2$, and that is the exact square Side of a Piece of Timber, 17 Inches $\frac{1}{4}$ by $3 \frac{1}{4}$. For where the Sides are so very different, one to the other, you should look for it both Ways,
and

xxiv *The Use of the Table, &c.*
and take the Mean betwixt the
Extreams.

N. B. *Though it is seldom, or never, like to happen in Practice, yet I will suppose you have Occasion to find the Square Side of a Piece of Timber, or Stone, too large for the Extent of this Table.*

EXAMPLE VII.

You have a Piece of Timber 60 Inches (or 5 Foot) thick, and 96 Inches (or 8 Foot) broad, and want to know the square Side of it.

Take Half the Thickness (of 60) which is 30, and Half the Breadth (of 96) which is 48. Look in the Table for 30, betwixt the parallel Lines, keeping your Eye down the left Hand Column, 'till you come to 48, and over against that in the 2d and 3d Row is 38 : 0, which 38 Inches is one Half of the Square Side of the Piece, and that doubled makes 76 : 0, and is the Square Side of the Piece required.

Vide Example VI. in Solid Measure, Page xxiii.

THE
EXPLANATION
AND
USE

Of the following

TABLE
OF
Solid Measure.

Beginning *Page* 24, and ending *Page* 128.

I. **T**HIS Table *begins* with 2 *Inches* the *Side* of the *Square*, and by the *Addition* of a *Quarter* of an *Inch* enlarges itself to the *Extent* of 54 *Inches* (or a *Yard and Half*) the *Side* of the *Square*.

II. Every *Page* of this Table consists of *two* distinct *Parts*, divided from each other by a *double Line*: And at the *Top* of each of the said *Parts* is set down the *Side of the Square*, or *one Fourth* of the *Girt* or *Circumference*, of the *Piece of Timber, Stone, or other Solid*, intended to be measured.

III. The *first* Column to the *left Hand*, shews the several *Lengths* in *Feet*, from *one Quarter* of a *Foot*, to 45 *Feet*, and of such a *Piece of Timber*, whose *Side* of the *Square*, (or $\frac{1}{4}$ of the *Girt*) is set down at the *Top*.

d

IV. The

IV. The *three Rows of Figures* in the *second Column*, marked at the *Top* with *Ft. In. Pa.* is the *solid Content in Feet, Inches, and 12th Parts of an Inch*, answering to every *Foot in Length*, in the *left Hand Column*.

To measure square Timber.

1. With a *two Foot*, or any other *Rule*; measure the *Length* of the *Piece in Feet*, and set it down in your *Memorandum Book*.

2. Then with your *Rule*, if your *Timber* be *equal-sided*, take the *Square in Inches, and Quarters*, if there be any, and set that down likewise.

But note, *That if your Timber, or Stone, be unequal-sided, i. e. if it be broader one Way than the other, in this Case, you must first reduce it to a Square, by the Table of unequal-sided Timber; beginning Page 2, and ending Page 22.*

3. Having set down the *Length* in *Feet*, and the *Square in Inches and Quarters*, as above directed, look at the *Top* of the *Table of solid Measure*, for the *Side of the Square*; and having found that, keep your *Eye* down the *left Hand Column*, till you find the *Length* of your *Piece in Feet*; and the *three Rows of Figures*, which stand *over-against* the *Length* in *Feet*, is the *solid Content in Feet, Inches, and 12th Parts of an Inch*.

Ex-

Table of Solid Measure. xxvii

EXAMPLE I.

You have a Piece of Timber, 10 Feet long, and the Side of the Square is 7 Inches. What is the solid Content of it?

At the Top of the Table of *solid Measure* find 7 Inches, the Side of the Square, and keep your Eye down the *left Hand Column*, till you come to 10 Feet, the Length of your Piece; and *right against* that, stands 3 : 4 : 10 (*viz.* 3 Feet 4 Inches, and 10 Twelfth Parts) which is the *solid Content* of the Piece required.

EXAMPLE II.

The Length of a Piece of Timber is 19 Feet, and the Side of the Square 14 Inches $\frac{3}{4}$. What is the solid Content?

Having found 14 $\frac{3}{4}$ the Side of the Square, look for 19 Feet, in the *left Hand Column*, and over against it, stands 28 Feet, 8 Inches and 5 Parts; and that is the *solid Content* of a Piece, 19 Feet long, and 14 Inches $\frac{3}{4}$ square.

EXAMPLE III.

The Length of a Piece of Timber is 40 Feet, the Side of it one Way is 4 Inches, and 16 Inches the other Way. What is the solid Content?

Note, These differing sides must be reduced to a Square by the Table of unequal-sided Timber, as already taught, which Square appears by the said Table to be 8 Inches.

xxviii *The Use of the*

Having found 8, at the *Top* of the Table of *solid Measure*, look for 40 Feet (the *Length* of the Piece) in the *left Hand Column*; and *right against* that, stands 17 Feet, 9 Inches, and 4 Twelfth Parts; the *solid Content*.

N. B. Keay's Rule and Tables makes the Content to be

F. Qu. In.

27 3 48

which is 9 Feet $\frac{1}{2}$ too much, or 9 s. 6 d. in 27 s. too much.

EXAMPLE IV.

There's a Piece of Timber 40 Feet long, but the Sides unequal; one Side is 3 Inches, and the other Side 18 Inches. What is the solid Content?

Having reduced the *Sides* (by the Table of *unequal-sided Timber*) to a *Square*, it appears to be 7 Inches, 1 Quarter. Then

At the *Top* of the Table of *solid Measure*, find $7\frac{1}{4}$, the *Side of the Square*, and *against* 40 Feet long, in the *left Hand Column*, stands the *Content*, viz. 14 Feet, 7 Inches, and 2 Twelfth Parts.

Note, Had this Example been resolved by Keay's Tables, and the RULE he lays down for the measuring unequal-sided Timber; the Answer, instead of being 14 Feet, 7 Inches, would have been 30 Feet and an Half, which is 16 Feet too much.

☞ When a Piece of Timber to be measured happens to have any odd Parts of a Foot in the *Length*, as

Ex-

EXAMPLE V.

Suppose a Piece of Timber to be 48 Inches square, and 22 Feet $\frac{1}{2}$ long. What is the solid Content?

Seek in the Table of *solid Measure*, for 48 Inches, the Side of the Square, and 22 Feet, the Length, which set down; then find the $\frac{1}{2}$ Inch at the Bottom of the Table, and set that down; add these together, and you have the Content, viz.

		Ft.	In.	P.
22 Feet long is	—	352	0	0
$\frac{1}{2}$ a Foot long is	—	8	0	0
		<hr/>		
The Content required		360	0	0

N. B. Except the Timber be so large, as to carry a Square of 30 Inches, the Half Foot, or Quarters are seldom regarded.

Though it is seldom (or never) like to happen in *Practice*, yet we'll suppose you have occasion to measure a Piece of Timber, or Stone, whose Side of the Square is above 54 Inches (or a Yard and Half) which is the largest Square in this Table.

EXAMPLE VI.

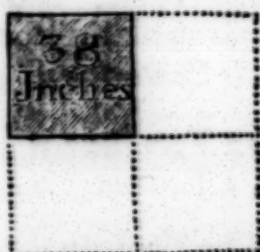
You have a Piece of Timber whose Side of the Square is 76 Inches, and the Length 37 Feet, What is the Content?

Since you cannot find 76 Inches the Side of the Square in the Table, take HALF of it, which is 38; find 38, the Side
of

of the Square, and over-against 37 Feet the Length, is 371 : 0 : 4, which set down Four

Times *, and added	F.	I.	P.
together gives the	371	0	4
Content, of the whole	371	0	4
Piece (of 76 Inches	371	0	4
square, and 37 Feet	371	0	4
long) viz. 1484 Feet	<hr/>		
1 Inch, and 4 Twelfth	1484	1	4
Parts of an Inch.			

* Because that HALF is but One Quarter of the End of the Piece thus :



76 Inches

Of HEWN TIMBER.

N. B. It is customary, when *hewn* Timber is to be measured, to make Use of a large Pair of *Callipers*, to measure the *Thicknes*, or *Diameter*, of the Piece in the *Middle*, between both Ends (where in Case it were *tapering* Timber, one would girt it) which *Thicknes* or *Diameter*, is usually taken for the Side of the Square, the Piece will carry throughout : But this Method is sometimes objected to, because, all the *Cants*, or *Angular Parts*, that are wanting, to make the Piece perfectly square, are measured in, and accounted for (though not there) as so much real Timber : And this objection carries still a greater Weight, when only a *small Skirting* is hewn off from the *four opposite Sides*, whereby the Piece becomes rather *Octangular*, or *Eight-sided*, than *Square* ; but to all this it is usually replied, that before the Piece is *hewn to a Square*, there is a Waste in the *Chips* and *Slabs*, which are only useful for the Fire, and that the *Expence* of hewing, &c. is more than the *Chips*, &c. are worth.

To

Table of Solid Measure. xxxi

To measure round Timber that is
NOT Tapering,

1. **W**ITH a Rule, measure the *Length* of the Piece in *Feet* (and *Quarters* of a *Foot*, if necessary) and set it down in your *Memorandum-Book*; then reduce it to *square Timber* thus:

2. With a *Cbalk-Line*, or *Pack-thread*, gird the *Piece* in any Place; then *double* the *Line* *twice*, and you have *one Fourth* of the *Girt*, for the *Side of the Square*, which you must exactly measure upon your Rule, and set down in *Inches*, and *Quarters* of an *Inch*. Having thus reduced the *round Timber* to *square Timber*,

3. Look at the *Top* of the *Table of solid Measure*, for the *Side of the Square*, equal to $\frac{1}{4}$ of the *Girt*, and keep your Eye down the *left Hand Column*, till you find the *Length* of the Piece in *Feet*, and *over-against* it, stands the *Content* of the *Piece* sought; in *solid Feet*, *Inches*, and *Twelfth Parts* of an *Inch*.

EXAMPLE.

(Let the *Length* of a Piece of round Timber, be 45 Feet, and the *Girt* 44 Inches; one Fourth of which is 11 Inches: I demand how much Timber this Piece contains?

At the *Top* of the *Table of solid Measure*, find 11 Inches,
the

the Side of the Square (which is equal to *one Fourth* of the *Girt*) and in the *left Hand Column*, against 45 (*the Length* of the *Piece in Feet*) stands 37 : 9 : 9 : that is 37 *Feet*, 9 *Inches*, and 9 *Twelfth Parts* (or $\frac{3}{4}$) of an *Inch*; which is the *solid Quantity* of *Timber* the *Tree* contains. 6

To measure Tapering Timber.

T*apering Timber*, is *Timber* that is *smaller* at *one End*, than *the other*, as *Fig. 3*, and, consequently, it will not carry the *same Square* from *End to End*, throughout the whole *Piece*: when you have found what *Square* the *Tree* will carry *throughout*, by taking *one Fourth* of the *Girt* (as you were taught on *Page xxxi*) you must proceed *exactly* as in the *Case* of *round Timber*, already taught.

To find what *Square* a *Tree* will carry *throughout*; the *Shape*, or *Figure*, of the *Tree*, should be very carefully observed; and if the *Sides* of the *Tree* are *strait*, from *End to End*, as *Fig. 3*, then it may be *girt*, and the *Square* taken in the *Middle*, from the *Butt-end* and *Top*, as is the common *Practice* amongst *Workmen*; or you may observe this

R U L E.

Take *One Fourth* of the *Girt* at *each of the Ends*; add them together, and take *Half* of that *Sum* for the *Side of the Square*, which

Table of Solid Measure. xxxiii
which the Tree will carry *through-*
out; as you will find exemplified
in *Example III, Page xxvii.*

N. B. If the Tree does not *taper* *grad-*
ually, but is *unequally* thick, then you
may *girt* it *oftener*; always remembering
to *divide* the Sum total of the several
fourth Parts of the *Girt*, by the *Number* of
Times the Piece was *girded*, and it gives
the *Side* of the *Square* the Tree will carry
throughout.

☞ If you have any *odd* Parts of a *Foot*,
in the *Length* of a Tree, you are to pro-
ceed as directed in the Case of *square*
Timber, having *odd* Parts in the *Length*.
See *Page xxix.*

EXAMPLE I.

Let the Circumference of a Tree,
or Piece of round Timber (found
by girding it) be 36 Inches, one
Quarter of which is 9 Inches, the
Side of the Square, and let the
Length of the Piece be 40 Feet.
What Quantity of Timber is in this
Piece?

Find 9 Inches, the *Side* of the
Square, and over against 40 Feet,
stands 22 Feet, 6 Inches, which
is the *Quantity* of *Timber* con-
tained in a *Piece* that is 40 Feet
long, and 36 Inches round.

EXAMPLE II.

Let the Girt of a Piece of Tim-
ber be 75 Inches, $\frac{1}{4}$ thereof is 18 $\frac{3}{4}$,
for the Side of the Square, and
let the Length of the Piece be 45
Feet: How much solid Timber does
this Piece contain?

Find 18 Inches $\frac{3}{4}$ the *Side* of
the *Square*, and over-against 45
c Feet,

Feet, the *Length* of the Piece, stands the *solid Content*, viz. 109 Feet, 10 Inches, and 4 Twelfth Parts, or $\frac{4}{3}$ of an Inch.

EXAMPLE III.

Suppose that at the largest End of a Tree, $\frac{1}{4}$ of the Girt (or Side of the Square) is 50 Inches, and at the smaller End but 30 Inches, and let the Length of the Tree be 25 Feet: What Quantity of solid Timber does that Tree contain?

	Inches
The Side of the Square, } at the larger End is }	— 50
The Side of the Square, } at the smaller End is }	— 30
	—
The Sum	— 80

Half the Sum is 40 Inches, and that is the *Side of the Square*, which the Tree will carry *througout*. Having thus obtained the *Side of the Square*, look at the *Top* of the *Table of solid Measure*, for 40 Inches, and in the *left Hand Column*, for 25 Feet (the *Length*) and *over-against* it stands, 277 Feet, 9 Inches, and 4 Twelfth Parts (or $\frac{1}{3}$ of an Inch) which is the *Quantity of solid Timber* the Tree contains.

☞ If you should ever have Occasion to measure a Tree whose *Side* is more than 54 Inches, you must proceed as directed in the Case of *square Timber*, when the Square is more than 54 Inches. See Page xxix.

But

Table of Solid Measure. xxxv

But *Note*, If a Tree should be *Round- ing* or *Bulging* out (as *Fig. 4*) so that to- wards the *Middle*, it may be as large, or near it, as at the *Bottom*, then it must be measured *at twice* (which Workmen call *Joggling* the Piece) *viz.* The *Length*, A D, that continues of one and the same *Bigness*, or near it, *sing'ly* by itself; and so also must the *Remainder*, D B; and their Quantities added together, will be the *Con- tent* of the whole Tree.

Now had this Tree (*Fig. 4.*) been measured *at once* (or by one Dimension) as *Fig. 3.* then its *Girt* would have been taken at F, where it is very small, and all the *extraordinary* Thickness, *a. a.* quite round about the small Body D B, would have been *lost* in the Measure. And,

For this Reason, those, who are to measure Timber, should be very cautious how they agree (before they begin to measure,) *that let the MIDDLE of Pieces of Timber fall out how they will, Great or Small, their Girt should be taken THERE.* Because, where one Tree is *largest* (or its *mean Thickness* in the *Middle*) there are *Nine* or *Ten* that are *less*; and when their *Girts* are taken at their *Middle*, from each *End* (it is plain) they cannot fail of loosing many *Loads* in a large Quantity of Timber.

N. B. If the Tree is *crooked*, the *Length* is not to be taken on either the *Concave* (or hollow) or *Convex*, (or *Out-arching*) Side.

N. B. It is a *customary* Allowance to the *Buyer*, to take the *GIRT* where he *pleases*, between the *greater End* and the *Middle* of the Tree.

N. B. *Branches* or *Boughs* measuring *two Feet* in *Compass*; (or 6 *Inches*, $\frac{1}{4}$ of the *Girt*) are reckoned as *Timber*, and their *Content* is to be found, and added to that of the Tree.

Note, So much of the *Trunk*, as mea- sures *less* than *two Feet* in compass (or 6 *Inches*, $\frac{1}{4}$ of the *Girt*,) is not admitted to be *Timber*.

Of making an Allowance for the
BARK.

IN measuring Trees that have their *Bark* on, for Sale, it is common to make an *Allowance* to the Buyer, on Account of the *Bark*, thus; in Oak, $\frac{1}{8}$ or $\frac{1}{12}$ Part of the Circumference is deducted; but the *Allowance* for the Bark of *Elm*, *Beech*, *Asb*, &c. should be less: — Some Measurers insist on *one Inch* out of *one Fourth* of the whole *Girt* for it, viz. If $\frac{1}{4}$ of the *Girt* is found to be *9 Inches*, then *1 Inch* is abated, and $\frac{1}{4}$ of the *Girt* is reckoned at *8 Inches* only. — Others say, That if it is an *old thick-barked Tree*, *one Inch* must be abated in a *fourth Part* of the *Girt* for the *Bark*; but in young growing *Timber*, *Half an Inch* may be sufficient, as every Practitioner will easily judge. *This Deduction* being made, is supposed to reduce the *Compass* to that which the *Tree* will have, when the *Bark* is stripped off. Therefore observe this

RULE. From the given *Circumference*, Subtract the *Allowance* for *Bark*; and with the remaining *Compass*, find the *solid Content*, as already taught.

Of measuring *Timber* that is
Standing.

IN measuring *Timber* standing, it is sufficient if you have a very long *Pole*, divided into *Feet* only, (be-

Table of Solid Measure. xxxvii
beside a Pocket Foot-Rule, divided into *Inches*,) and a Ladder to get up with readily, to measure the *Girt* of the Tree, at the *middle* height, to which it runs Timber; *i. e.* as far as it will carry a *Square* of 6 Inches, or will Measure 24 Inches *round*, and then you proceed to find the *Contents*, as already taught.

I have known a Steward, who, at his first entering into Business, was so exact as to take an Account of every *Single* Timber-Tree, as well as others likely to become Timber, in all the Woods within his Master's several *Mansors*: And he effectually did this to the greatest Advantage, by having a Book ruled with proper Columns, in the following Order.

I. To insert the *fourth Part* of the *Girt* of each Tree, in *Inches*.

II. The *Length* of each Tree, in *Feet*.

III. The *Number* of *solid Feet* in each Tree.

IV. The *Value* per *Foot*, that each Tree is worth, according to its *Dimensions* and *Goodness*.

V. The *Value* of the *Body* of each Tree, in *Proportion* to the *aforesaid Price*.

VI. The *Value* of the *HEAD* of each Tree.

VII. The *Value* of the *BARK* of each *OAK-tree*, [which generally holds to be about a *third Part* of the *Value* of the *BODY* and *HEAD*.] And,

VIII. A

VIII. A Column for *the Value of the BODY, the HEAD, and BARK, ADDED together.*

A Book, put into this Method, can never fail of giving great Satisfaction to a Master, who has then something to depend upon whenever his Necessities, or his Inclinations may call for a *certain* Sum of Money. However, after a Sale, the Book must be altered, and such Trees struck out of it, as are felled.

When an Account is taken of the several *Timber-trees* (in the Manner I have mentioned) they should be *numbered* with *Iron-stamps*, made on Purpose: Only before the Stamp is applied, the *rough* Part of the Bark should be taken off with a Hatchet, that the Impression may be made easy and visible: And, to make it *lasting*, the Stamp should not go *deeper* than *the Bark*; because, in such Case the *Number* will soon grow up; but otherwise it may last several Years by renewing, which is no undesirable Circumstance.

TH E foregoing Examples, with what has already been said, are sufficient to make the Business of measuring, both *square* and *round* TIMBER, STONE, &c. easy to the very *meanest* Capacity. However (for *Practice* Sake) I shall suppose the Learner was to measure 10 *Trees*, or *Pieces* of Timber.

Let

Table of Solid Measure. xxxix

Let him set down their *Number* and *Dimensions* as in the following Columns, and then find their *Contents* as already taught, and set that down *against each Tree*, as under,

N ^o Trees	Side square Inches.	Length Feet.	By this New Method.			By KEAY.			By DARLING.
			Feet	In.	Pa.	F.	Qrs.	In.	Feet, and 1000 Parts.
1	9	10	5	7	6	5	2	216	5.6250
2	10 $\frac{1}{2}$	14	10	8	7	10	2	378	10.7187
3	15	11	17	2	3	17	0	324	17.1875
4	20 $\frac{1}{2}$	16	46	8	4	46	2	336	46.6944
5	16	24	42	8	8	42	2	288	42.6666
6	16	23	40	10	8	40	3	240	40.8888
7	36	18	162	0	0	162	0	000	162.0000
8	26	28	131	5	4	131	1	336	131.4442
9	31	17	113	5	5	113	1	348	113.4513
10	35	30	255	2	6	255	0	360	255.2083
Total			825	10	7	825	3	234	825.8848

Besides the *Contents* given by this *new* Method, I have likewise set down the *Contents* of *each Tree* as given by *Keay* and *Darling*, to shew

shew that the Method is more *intelligible*, and *better suited to ordinary Capacities*, than either of theirs. These *Twelfth Parts* of an Inch are *easily* cast up, and *readily* understood; for here you have nothing more to do than to carry 1 to the *Inches* for every 12 in the *Parts*, and 1 to the *Feet* for every 12 in the *Inches*: Whereas by *Keay's* Method, you must carry 1 to the *Quarters* for every 432 in the *Inches*, and 1 to the *Feet* for every 4 in the *Quarters*; and by *Darling's* Method you must carry 1 to the *Feet* for every 10000 in the *Parts*. Both which Number of 432 *Inches* and 10000 *Parts of a Foot* are very *difficult* to conceive, and, consequently, very *troublesome* and *perplexing* to every Man that is not versed in *Decimal Arithmetic* and *Mensuration*.

Of Reducing Timber to Loads.

N. B. Measurers and Workmen, reckon 40 Feet of *unbewn*, or *rough Timber*, and 50 Feet of *bewn Timber*, to a Load. supposed to weigh a Ton, or 20 hundred Weight: For, *bewn Timber* is measured by the Square, but *rough Timber*, by the *Girt*, (or *quarter Compass*,) therefore, in the buying of Timber, it amounts to much the same, whether it be measured by the *Girt*, at 40 Feet solid to a Load; or measured by the *Square*, at 50 Feet to a Load. Therefore,

When Timber is to be reduced to Loads, *divide* the Feet, in *rough*, or *unbewn Timber*, by 40, and it gives the Loads. Or,

Divide the Feet in *bewn Timber*, by 50, and it gives the Loads.

Some

Some curious Observations concerning measuring Timber, by several Dimensions. Communicated by one of his Majesty's PURVEYORS.

Of measuring Fig. 5, [facing Page xi.] by one Dimension, and also by three Dimensions, &c.

The whole Length A G, by one Dimension.

NOW let us well consider, *Fig. 5*, intended to represent a Piece of Timber, that is 24 Feet long; and the Girt at the Butt-end A, 8 Feet, one Fourth of which is 24 Inches; and the Girt at the Top G, 12 Inches, one Fourth of which is 3 Inches; and (as the Sides are supposed to be nearly strait,) the Girt in the Middle at D, 54 Inches; one Fourth of which is $13\frac{1}{4}$ Inches: Now look into the Table of *solid Measure* for $13\frac{1}{4}$ Inches *the Side*, and 24 Feet *the Length*, and you will find the *Contents* of *this Piece* to be 30 F. 4 I. 6 P. (*viz.* 30 Feet, 4 Inches, and 6 *twelfth* Parts, which 6 *twelfth* Parts, are equal to half an Inch) when measured by *one Dimension*.

Of the Length A E, by one Dimension; which is but Two-thirds of the Length A G.

Having as above found the *Content* of the *Whole* A G, by *one Dimension*, to be 30 Feet, 4 Inches,
f 6 Parts :

6 Parts : Let us now try what *this Piece A E* will produce, when measured by *one Dimension* ; we then having only a Length of 16 Feet, *viz.* from A to E, (instead of 24 Feet, from A to G, as before ;) and that *one Fourth* of the Girt in the Middle at C, is 17 Inches : Now if you look in the Table of *solid Measure* (for 17 Inches *the Side, of the Square* at C, and 16 Feet *the Length,*) you will find *this Piece A E*, to contain 32 Feet, 1 Inch, 4 Parts of Timber ; notwithstanding 8 Feet at *the Top* from E to G, is cut off and is not taken the least Notice of : whereas when this *Top* was left on, the *Whole*, from A to G, measured but 30 Feet, 4 Inches, 6 Parts, so that by cutting off and rejecting 8 Feet at *the Top*, we gain near 2 Feet of Timber.

N. B. *The Content of this Piece A E, we had not room to specify in the Copper-plate, facing Page xi.*

The whole Length by three Dimensions.

NOW let us also consider *Fig. 5*, intended to represent a Piece of Timber that is 24 Feet long, and the Girt at the *Butt-end* A, 8 Feet, *one Fourth* of which is 24 Inches ; and the Girt at the *Top* G, 12 Inches ; *one Fourth* of which is 3 Inches ; and (as the *Sides* are supposed to be *nearly strait,*) and the Girt in the Middle at D, 54 Inches ; *one Fourth* of which is $13\frac{1}{2}$ Inches : Now look into

into the Table of *Solid Measure* for $13\frac{1}{2}$ Inches *the Side of the Square*, and 24 Feet *the Length*; and you will find the *Contents* of *this Piece* to be 30 Feet, 4 Inches, 6 Parts, when measured by *one Dimension*.

Having thus found the *Contents* of A G by *one Dimension*, to be 30 Feet, 4 Inches, 6 Parts; let us now proceed to see what *it* will produce, when it is cut into *three equal Lengths*, and measured by *three Dimensions*, as described in *Fig. 5, viz.*

FIRST, the Piece A C, whose *Length* is 8 Feet; and the *Girt* at the *Butt-end* A, 8 Feet, *one Fourth* of which is 24 Inches; and the *Girt* at the *Top* C, 5 Feet 8 Inches, *one Fourth* of which is 17 Inches; and the *Girt* in the *Middle* at B, 6 Feet 10 Inches, *one Fourth* of which is $20\frac{1}{2}$ Inches: Now look in the Table of *Solid Measure* for $20\frac{1}{2}$ Inches *the Side of the Square*, and 8 Feet *the Length*, and you will find the *Contents* of *this Piece* A C, to be 23 Feet, 4 Inches, which is only 7 Feet less than the *Whole* (24 Feet A G,) when measured *together*; so that by cutting off 16 Feet at the *Top* from C to G, which is no less than *two Thirds* of the *whole Length*, you do not lose quite 7 *solid Feet* of Timber.

SECONDLY, the Piece C E whose *Length* is *also* 8 Feet; and the *Girt* at the *Butt-end* C, 5 Feet 8 Inches, *one Fourth* of which is

xliv *Curious Observations.*

17 Inches; and the *Girt* at the *Top E*, 40 Inches, *one Fourth* of which is 10 Inches; and the *Girt* in the *Middle* at *D*, 4 Feet 6 Inches, *one Fourth* of which is $13\frac{1}{2}$ Inches: Now look in the Table of *Solid Measure* for $13\frac{1}{2}$ Inches the *Side of the Square*, and 8 Feet the *Length*, and you will find the *Contents* of this Piece *C E* to be 10 Feet, 1 Inch, 6 Parts.

THIRDLY, the Piece *E G*, whose *Length* is likewise 8 Feet; and the *Girt* at the *Butt-end E*, 40 Inches, *one Fourth* of which is 10 Inches; and the *Girt* at the *Top G*, 12 Inches, *one Fourth* of which is 3 Inches; and the *Girt* in the *Middle* at *F*, 26 Inches, *one Fourth* of which is $6\frac{1}{2}$ Inches: Now look in the Table of *Solid Measure*, for $6\frac{1}{2}$ Inches the *Side of the Square*, and 8 Feet the *Length*, and you will find the *Contents* of this Piece *E G*, to be 2 Feet, 4 Inches, 2 Parts.

Having thus measured the *Whole* from *A* to *G*, by three Dimensions; let us proceed:

Of measuring Part of Fig. 5. viz. from C to G, by one Dimension, and also by two Dimensions.

By one Dimension.

NOW let us suppose 8 Feet, to be cut off, at the *BUTT-END*; viz. from *A* to *C*, and let us proceed to measure the *Remainder C G*: Look into the Table of *Solid Measure* (for 10 Inches the *Side of the Square* at *E*, and

and 16 Feet the *Length*,) and you will find the *Whole* contains 11 Feet, 1 Inch, 4 Parts; which 4 Parts, are equal to one *Third* of an *Inch*.

By two Dimensions.

LET US now suppose it cut in two in the *Middle* at E; and measure each Part by itself. *First* CE: Now look in the Table of *Solid Measure* for $13\frac{1}{2}$ Inches the *Side of the Square* at D, and 8 Feet the *Length*, and you will find CE to contain 10 Feet, 1 Inch, 6 Parts.

LET US now measure the Piece EG: Look in the Table of *Solid Measure* for $6\frac{1}{2}$ Inches the *Side of the Square* at F, and 8 Feet the *Length*, and you will find EG to contain 2 Feet, 4 Inches, 2 Parts; so that you see, the *Whole* of CG, measures to one solid Foot and a *Half* MORE, when it is measured at *twice*, than it did when it was measured at one *Dimension*.

Some *useful* Observations, drawn from the *foregoing* Methods of measuring *Fig. 5*.

THIS Piece of Timber (*Fig. 5*.) and the above Manner of measuring it, if well considered, shew the *Imprudence* of those *Sellers*, who, (thinking it may be an Advantage to them,) leave the Pieces with their long taper Tops on to a great Length, whereby the *Girt* comes to be taken in a much *smaller* Part of the Tree than it ought,

ought, or would have been, if the *Top* had been cut off. And it may likewise serve to shew the *Advantage* there is of *buying in*, such a Piece of Timber, of 24 Feet long, measured by *one* Dimension, and of *selling* it out again by *three* Dimensions, after it is cut into *three* Pieces, or *Lengths*, of 8 Feet each.*

And here it may be farther worth observing, that though in *Fig. 5*, the Sides of the Tree are supposed to be *nearly strait*, from the *Butt* to the *Top*, viz. from A to G, yet this very rarely happens to be the Case; for on the contrary most Trees hold an *equal* Thickness (or near it) many Feet upwards from the *Butt*, and consequently measure *much more*, than when they *taper*, or diminish gradually from the *Butt* to near the *Top*, as *Fig. 5*. is here supposed to do.

* Look in the Copper-plate facing Page xi, and you'll see that *Fig. 5*, measured by *three* Dimensions, measures to 35 solid Feet and $\frac{1}{4}$, which at 12d. per Foot, comes to —

But measured by *one* Dimension, it measures *no more* than 30 solid Feet and a $\frac{1}{4}$, and at 12d. per Foot, comes to —

So that this Piece of Timber, *Fig. 5*, though it is bought in, and sold out, at the same Price, per Foot; and by the very same Method of measuring; yet there is 5 s. 6 d. gained by cutting it into *three* Lengths, of 8 Feet each.

N. B. For want of Room, *Fig. 5*, is not drawn in Scale. The

The TABLE of *Solid Measure*
applied to the *Freighting* of
SHIPS, &c.

THE following Table of *solid Measure* (*beginning* Page 23 and *ending* Page 128, and) which is particularly explained on *Page xxv*, &c. having been made use of, for many Years past, by several judicious Merchants for the expeditious ascertaining the *Value* of the *Carriage* of Goods which pay *Freight* by the *solid Foot*: and the Table being as well adapted for the *freighting* of *Ships* as for the *valuing* of *Timber*, I have, to this New Edition, added the following Directions, for the Benefit of those who would apply it to the *freighting* of *Ships*: And they are such as I think ought to prevail: But so long as some Measurers will be for taking the *Dimensions*, and valuing their *Amount*, NEARER than others, there will always be room for Disputes. See *Fig. 6.* in the Copper-plate, facing *Page xi.*

☞ 'Tis said, 'tis usual to make an *Abatement* of $\frac{1}{3}$ upon the *Admeasurement* of the *Package* of *coarse Goods*.

To find how many *solid Feet* [in order to ascertain the *Freight*] are contained in any *Case*, *Bale*, *Cask*, &c. i. e. how many *solid Feet* they will take up in a *Ship*.

Observe that Goods paying *Freight* by the *solid Foot*, are commonly pack'd up in

ought, or would have been, if the *Top* had been cut off. And it may likewise serve to shew the *Advantage* there is of *buying in*, such a Piece of Timber, of 24 Feet long, measured by *one* Dimension, and of *selling* it out again by *three* Dimensions, after it is cut into *three* Pieces, or *Lengths*, of 8 Feet each.*

And here it may be farther worth observing, that though in *Fig. 5*, the Sides of the Tree are supposed to be *nearly strait*, from the *Butt* to the *Top*, viz. from A to G, yet this very rarely happens to be the Case; for on the contrary most Trees hold an *equal* Thickness (or near it) many Feet upwards from the *Butt*, and consequently measure *much more*, than when they *taper*, or diminish gradually from the *Butt* to near the *Top*, as *Fig. 5*. is here supposed to do.

* Look in the Copper-plate facing Page xi, and you'll see that *Fig. 5*, measured by *three* Dimensions, measures to 35 solid Feet and $\frac{1}{4}$, which at 12d. per Foot, comes to —

But measured by *one* Dimension, it measures no more than 30 solid Feet and a $\frac{1}{4}$, and at 12d. per Foot, comes to —

So that this Piece of Timber, *Fig. 5*, though it is bought in, and sold out, at the same Price, per Foot; and by the very same Method of measuring; yet there is 5 s. 6 d. gained by cutting it into *three* Lengths, of 8 Feet each.

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Observe that Goods paying *Freight* by the *solid Foot*, are commonly *pack'd up* in

xlviiii Of Freightning Ships.

1. *Cases, Chests, or Trunks.*
2. *Bales, Trusses, or Bundles.*
3. *Casks, Vats, or Fats.*

And their *Contents* are *all* found by *one* and *the same* Method; *viz.* taking the *Length* and *girting* them, Thus:

1. With a *Rule* measure the *Length* of the *Package*, and write it down in *Feet* and *Inches*, in your *Memorandum Book*; having done this, then you are to reduce the *Package* to a *Square*, which is *immediately* done thus,

2. With a *Line*, or packthread, *gird* the *Package*; then *double* the *Line* *TWICE*, and you have *one Fourth* of the *Girt* (for the *Side* of the *Square*) which measure upon your *Rule*, and write it down in *Inches* and *Quarters* of an *Inch*. Having thus reduced the *Package* to a *Square*; then,

2. Look at the *Top* of the *Table* of *solid Measure* for the *Side* of the *Square*, (which is *equal* to $\frac{1}{4}$ of the *Girt*,) and keep your *Eye* down the *left Hand* *Column* 'till you find the *Length* of the *Package* in *Feet*; and over-against that stands how many *solid Feet*, *Inches* and *12th Parts* it contains: But these *12th Parts*, and the *Inches*, are *usually* rejected, unless they amount to *Half* a *Foot*,

EXAMPLE I.

Let the *Length* of a *Cafe*, *Chest* or *Trunk* be 36 Inches, (which is equal to 3 *Feet*,) and the *Girt* 96 Inches, ($\frac{1}{4}$ of which is 24 *Inches*;) I demand how many *solid Feet* such a *Cafe*, &c. contains?

At the *Top* of the Table find 24 *Inches*, *the Side*, (equal to $\frac{1}{4}$ of the *Girt* of 96 *Inches*,) then keep your Eye down the *left Hand Column*, and against 3 *Feet*, the *Length*, (which is equal to 36 *Inches*,) you have 12 *Feet*, and so many *solid Feet* you are to pay Freight for, at *the Price* agreed upon.

☞ When you cannot find the *exact Length* of the *Package* in the Table at once, you are to take it out at twice, as in the following *Example*.

EXAMPLE II.

Let the *Length* of a *Cafe*, &c. be 54 *Inches*, (which is equal to 4 *Feet* and an *Half*,) and the *Girt* 152 *Inches*, ($\frac{1}{4}$ of which is 38 *Inches*,) I demand how many *solid Feet* the *Cafe* contains?

At the *Top* of the Table find 38 *Inches*, *the Side*, (equal to $\frac{1}{4}$ of the *Girt* of 152 *Inches*,) then keep your Eye down the *left Hand Column*, and against 4 *Feet*, the *Length*, is 40 : 1 : 4, which write down, and at the *Bottom* of the Table against $\frac{1}{2}$ a *Foot*, the *Length*, is 5 : 0 : 2, then add these together, and they make 45 *Feet*, 1
g *Inch*,

I Cf Freightin^g Ships.

Inch, and 6 12th Parts; which 6 12th Parts are equal to *Half* an *Inch*, and so many *solid Feet* you are to pay *Freight* for, at the *Price* agreed upon.

F.	In.	P.
40	1	4
5	0	2
<hr/>		
45	1	6

☞ When you have any *Inches* in the *Length* LESS than $\frac{1}{2}$, $\frac{1}{4}$, or $\frac{3}{4}$, of a *Foot*, you are to proceed as in the following *Example*.

EXAMPLE III.

Let the *Length* of a *Case*, &c. be 62 *Inches*, (which is equal to 5 *Feet* 2 *Inches*,) and the *Girt* 122 *Inches*, ($\frac{1}{4}$ of which is 30 $\frac{1}{2}$ *Inches*,) I demand how many *solid Feet* the *Case* contains?

At the *Top* of the *Table* find 30 $\frac{1}{2}$ *Inches*, the *Side of the Square*, (equal to $\frac{1}{4}$ of the *Girt* of 122 *Inches*,) then keep your *Eye* down the *left Hand* *Co-*

lumn, and against F. In. P.
5 *Feet* stands — 32 03 07
which write down. 0 10 04

THEN for the 2 *Inches*: I consider 33 01 11
that 2 *Inches* is 2

Thirds of $\frac{1}{4}$ of a *Foot*, and at the *Bottom* of the *Table* I find, against $\frac{1}{4}$ of a *Foot*, 1 *Foot*, 7 *Inches*, 4 12th Parts, and 6 *Seconds*, (but the 12th Parts and *Seconds* may be *rejected*.) Now $\frac{2}{3}$ of 1 *Foot* is 8 *Inches*, and $\frac{2}{3}$ of 7 *Inches* is 2 *Inches*,

$\frac{1}{3}$



Of Freightin Ships. li

$\frac{1}{2}$, which I write down also; and then *add* them together, and find they make 33 *Feet*, 1 *Inch*, and 11 12th *Parts* of an *Inch*; and so many *solid Feet* you are to pay Freight for, at *the Price* agreed upon.

☞ When *CASES* *Taper*, and are *smaller* at one *End* than the other; to reduce them to a *Square* you must *girt* them in the *Middle* from *each End*: Or you may find $\frac{1}{4}$ of the *Girt* at *each End*, and *add* them together, and take *Half* of it for *the Side of the Square*, and work as in the foregoing *Examples*.

Of BALES, TRUSSES, &c:

THE *solid Feet* in any *Bale*, *Truss*, or *Bundle*, are found by taking their *Length*, and reducing them to a *Square* by *girting* them, as in the 3 foregoing *Examples*; PROVIDED they are as *large* at one *END* as the *other*: But in case they should *Taper* and be *smaller* at one *End* than the other, then they are to be *girt* in the *Middle* from *each End*; and taking $\frac{1}{4}$ of the *Girt* (for the *Side of the Square*,) proceed to find the *solid Feet*, as *already* taught for *Cases*; and as *following* for *Casks*.

Of CASKS, FATS or VATS.

THE *solid Feet* in any *Cask* or *Fat* are found by taking their *Length*, and reducing them to a *Square*, by *girting* them as *Cases*, *Bales*, &c. PROVIDED they are *strait-sided*: But if they are *smaller* at the *Ends* than in the

lii Of Freightin^g Ships.

Middle, then you must *girt* them at the *Midway* between the *Middle* and *End* of the *Staves*, and take $\frac{1}{2}$ of the *Girt* for the *Side* of the *Square*: OR you may find $\frac{1}{4}$ of the *Girt* in the *Middle*, and also at the *End*, and *add* them together, and take *Half* of it for the *Side* of the *Square*, and proceed as in the foregoing *EXAMPLES* of *Cases*, *Chests*, and *Trunks*.

☞ In taking the *Length* of a *bulging* Cask with a *Line*, without some *Care* you may take it *too long*: For though a *strait*-fided Cask and a *bulging* Cask, when *STANDING* on their *End*, may be of the same *Height*, yet if the *LENGTH* is taken with a *Line* when they are *LYING*, the *bulging*-Cask will be apt to measure *longer* than the *strait*-fided one, which should be guarded against. And where the *Hoops* rise *higher* than the *Middle*, or *bulging* Part of the Cask, the *Girt* ought to be taken *OYER* the *widest* *HOOP*: And it is usual for the *Ship's* *Measurer* to endeavour, on all *Occasions*, to obtain the *largest* *Girt*. ☞ 'Tis said some *girt* the Casks in the *Middle*, and *abate* $\frac{1}{3}$ for their *Tapering*.

☞ In taking the *Length* and *Girt* of *Cases*, *Chests*, *Trunks*, &c. when they are *strengthened* or *secured* with *Battens*: OR where there is *any thing* that *any how* hinders other *Square* Goods from lying close by them; *that* which so hinders their lying close is to be *measured* *IN* and *paid* for, as if the *Length* and *Girt* had been *every where* as large as in those particular *Places*; by reason it occasions so much *Loss* in the *Stowage* of the *SHIP*.

One of our greatest *Coppersmiths*, for making large *Stills*, *Coppers*, *Boilers*, &c. for *EXPORTATION*, informs me; That it is usual to *ascertain* the *Freight* of them, by taking the greatest *EXTERNAL* *Diameter*, even to the *Outside* of the *Nails*; if

Of Freightin^g Ships. liii

if a larger EXTERNAL Diameter cannot be obtained *elsewhere*; and then to pay Freight, as if the Still, Copper, &c. were a *strait-sided* SQUARE. [See the Copper-Plate facing Page xi. Fig. 6.] And when this is the Case, you pay for the *white* Corners, or Spaces, &c. of the SQUARE, *every where*, which the Still, Copper, &c. never occupies any Part of: This seems severe, as several Things may be stowed in those *white* Corners, or Spaces, &c. He *also* says, the EXPORTER has the Liberty of filling the Stills, Coppers, &c. with Corn, or what else he pleases.

THE

THE
EXPLANATION
AND
U S E
Of the FOUR following
T A B L E S

For finding

The VALUE, *per Foot Cube*,
of *Timber, Stone, &c.* cut
to any *Size or Scantling*.

Beginning on *Page 130*, and ending on
Page 137.

TH^O' these Tables are FOUR
in Number, yet being all
of *the same Nature*, and only dif-
fering in *Price*, if I explain and
shew the Use of ONE, *the other*
Three will be understood of Course.
And whoever understands the Use
of the Table of *unequal-sided Tim-*
ber on *Page 2*, can need very lit-
tle Instruction to understand *these*;
which are *much* of the same Na-
ture.

I. At the Beginning of the Ta-
ble at 1s. 6d. (or 18d.) *per Foot*
Cube (on *Page 130*) betwixt two pa-
rallel Lines stands 2 Inch Sqr. which
is the *Thickness* of the LESSER
Side of the Piece you would find
the Value of; and under the said
parallel Lines are *Three Rows* of
Figures: In that Column to the
Left-hand, divided from *the other*
Two by a *Black Line*, is the *Breadth*
or

OR LARGER Side of the Piece to be Valued.

N. B. The *little* Figures of 2 in the said *Left Hand Column*, which stand betwixt the *Larger Figures* 2. 3. 4. 5, &c. signify *Two Quarters* or *Half* an Inch.

II. The *Second* and *Third* Rows of Figures (which stand *against* the several *Breadths* or *Larger Sides* in the *First Column*) shew the *Value* of *ONE Foot in Length* in *Pence* and the *Eighth Part* of a *Penny*.

N. B. In the *Tables* at 1s. 6d. 2s. and 2s. 6d. the *Value* is given in *Pence* and the *Eighth Part* of a *Penny* or *Half a Farthing*. But in the *Table* at 3s. the *Value* is given in *Pence* and *Farthings*.

EXAMPLE I. What is the *Value* of *ONE Foot in LENGTH* of a Piece of *Timber, Stone, &c.* whose *Size or Scantling* is 6 Inches by 9 Inches, at 18d. per Foot Cube?

In the *Table* at 18d. (or 1s. 6d.) look for 6 *Inch. Sqr. betwixt* the *parallel Lines*, keeping your *Eye* down the *Left-hand Column* till you come to 9 Inches; and *against it* stands 6 : 6, which signifies 6d. $\frac{3}{4}$; (for 6 *Eighths* of a *Penny* is equal to *Three Farthings*) the *Value* sought.

	s. d.		d.
N. B. By	2 0	the Value will	9
the Table	2 6	be found	11 $\frac{1}{4}$
at	3 0	to be	13 $\frac{1}{2}$

EXAMPLE II. What is the *Value* of *ONE Foot in Length* of a Piece of *Timber, Stone, &c.* whose *Size or Scantling* is 6 $\frac{1}{2}$ Inches

lvi *of the Value per Foot Cube.*
ches by $9\frac{1}{2}$ Inches, at 18d. per
Foot Cube?

In the Table at 18d. (or 1s. 6d.)
look for $6\frac{1}{2}$ Square in the *parallel*
Lines, keeping your Eye down
the *Left-hand Column* 'till you
come to $9\frac{1}{2}$ Inches; (the $\frac{1}{2}$ Inch
is signified by the *little* Figure of
2 that stands *under* the 9) and
against it stands 7 : 5 which sig-
nifies 7d. $\frac{1}{2}$ half Farthing, (or 7d.
and 5 *Eighths* of a Penny) the *Val-*
ue sought.

		s. d.		d.	
N. B.	By	2 0	} the Value will	10 $\frac{1}{4}$	
	the Table	2 6		be found	12 $\frac{1}{2}$
	at	3 0		to be	15 $\frac{1}{4}$

☞ By observing the *following Direc-*
tions these 4 Tables may be made as use-
ful for *valuing* Timber, Stone, &c. at
ANY OTHER Price per Foot Cube, as they
are for the Prices they are calculated for.

If you want the Price at $\left. \begin{matrix} s. & d. \\ 3 & 6 \\ 4 & 0 \\ 4 & 6 \end{matrix} \right\}$ per Foot Cube $\left. \begin{matrix} 5 & 0 \\ 5 & 6 \\ 6 & 0 \end{matrix} \right\}$ Add the Value at 18d. to the Value at 2s. and that is the Value at 3s. 6d.
 DOUBLE the Value at 2s. and that is the Value at 4s.
 Add the Value at 2s. to the Value at 2s. 6d. and that is the Value at 4s. 6d.
 DOUBLE the Value at 2s. 6d. and that is the Value at 5s.
 Add the Value at 2s. 6d. to the Value at 3s. and that is the Value at 5s. 6d.
 DOUBLE the Value at 3s. and that is the Value at 6s.

h If you want the Price at $\left. \begin{matrix} s. & d. \\ 0 & 9 \\ 1 & 0 \\ 1 & 3 \end{matrix} \right\}$ per Foot Cube take HALF the Value at $\left. \begin{matrix} s. & d. \\ 0 & 18 \\ 2 & 0 \\ 2 & 6 \end{matrix} \right\}$ and that is the Value at $\left. \begin{matrix} s. & d. \\ 0 & 9 \\ 1 & 0 \\ 1 & 3 \end{matrix} \right\}$

If you want the Price at $\left. \begin{matrix} d. \\ 2 \\ 3 \\ 4 \\ 6 \end{matrix} \right\}$ per Foot Cube MORE than the $\left. \begin{matrix} 2 \\ 3 \\ 4 \\ 6 \end{matrix} \right\}$ Add to the Value in that Table $\left. \begin{matrix} 1 & 1 \\ 1 & 1 \\ 1 & 1 \\ 1 & 1 \end{matrix} \right\}$ Of the Value at 2s. per Foot, and you have the Value sought.

Value per Foot Cube. lix

EXAMPLE III. What is *the Value of ONE Foot in Length* of a Piece of Timber or Stone, &c. whose *Scantlings* are 14 Inches by 20 Inches, at 18*d.* (or 1*s.* 6*d.*) *per Foot Cube*?

Here you are *first* to consider, that *HALF* the *given Scantling* is 7 by 10. Then in *the Table* at 18 *d. per Foot Cube* you are to look betwixt the *parallel Lines* for 7 *Inches Square*, keeping your Eye down the *left Hand Column* 'till you come to 10 *Inches*, and *against* 10 *Inches* stands 8 : 6 which signifies 8*d.* $\frac{3}{4}$, and *Four Times* 8*d.* $\frac{3}{4}$ is 2*s.* 11*d.* and that is *the Value of ONE Foot in Length* whose *Scantling* is 14 Inches by 20 Inches at the *Rate* of 18*d.* *per Foot Cube*. And

	<i>s. d.</i>		<i>s. d.</i>
By the	2 0	<i>the Value will</i>	3 10 $\frac{1}{2}$
Table	2 6	be found	4 10
at	3 0	to be	5 10

N. B. When you are about to Value Timber, Stone, &c. *per Foot Cube*, you are carefully to consider, that by Reason of the Length of *Carriage*, the Value of *Workmen's Wages*, &c. they are rendered much *dearer* in *some Places* than they are in *others*, and therefore they must be *valued* at a Price *accordingly*.

lviii of the Value per Foot Cube.

$\left. \begin{array}{l} \text{d.} \\ \left\{ \begin{array}{l} 2 \\ 3 \\ 4 \\ 6 \end{array} \right\} \end{array} \right\} \text{per Foot Cube Less than the}$
 $\left\{ \begin{array}{l} 2 \\ 3 \\ 4 \\ 6 \end{array} \right\} \text{Price any of the Tables are}$
 calculated for; for
 $\left\{ \begin{array}{l} 1 \\ 2 \\ 3 \\ 4 \end{array} \right\} \text{DEDUCT from the Value in that}$
 Table
 $\left\{ \begin{array}{l} 1 \\ 2 \\ 3 \\ 4 \end{array} \right\} \text{Of the Value at 2s. per}$
 Foot, and you have
 the Value sought.

N. B. I suppose you need not be told that 1d. is the 24th Part of the Value at 2s. or the 18th Part of the Value at 18d. or that 5d is the 6th Part of the Value at 2s. 6d. and that when you want the Price at 1d. or 5d. MORE or LESS than any of the Tables are calculated for, you must ADD to, or DEDUCT from the Value set down in the Tables, accordingly.

☞ If you should ever want to find the Value of ONE Foot in Length of a Piece of Timber, Stone, &c. whose Size or Scantling is LARGER than the EXTENT of these Tables, this is

The RULE:

Consider at what Price per Foot Cube you would value it by, then seek in THAT Table for THE VALUE of ONE Foot of Timber or Stone whose Scantlings are each of them but equal to HALF the given Scantlings, and FOUR Times that Price is the Value sought. [See Example VI. Page xxix and xxx.]

EXAM.

Value per Foot Cube. lix

EXAMPLE III. What is *the Value of ONE Foot in Length* of a Piece of Timber or Stone, &c. whose *Scantlings* are 14 Inches by 20 Inches, at 18*d.* (or 1*s.* 6*d.*) *per Foot Cube*?

Here you are *first* to consider, that *HALF* the *given* Scantling is 7 by 10. Then in *the Table* at 18*d.* *per Foot Cube* you are to look betwixt the *parallel* Lines for 7 *Inches Square*, keeping your Eye down the *left Hand Column* 'till you come to 10 *Inches*, and *against* 10 *Inches* stands 8 : 6 which signifies 8*d.* $\frac{3}{4}$, and *FOUR Times* 8*d.* $\frac{3}{4}$ is 2*s.* 11*d.* and that is *the Value of ONE Foot in Length* whose Scantling is 14 Inches by 20 Inches at the *Rate* of 18*d.* *per Foot Cube*. And

		<i>s. d.</i>		<i>s. d.</i>
By the	{	2 0	{	the Value will
Table		2 6		be found
at		3 0		to be
				{ 3 10 $\frac{1}{2}$ }
				{ 4 10 }
				{ 5 10 }

N. B. When you are about to Value Timber, Stone, &c. *per Foot Cube*, you are carefully to consider, that by Reason of the Length of *Carriage*, the Value of *Workmen's Wages*, &c. they are rendered much *dearer* in *some* Places than they are in *others*, and therefore they must be *valued* at a Price *accordingly*.

THE
EXPLANATION
AND
U S E
Of the following
T A B L E
O F
Superficial or Flat
M E A S U R E.

Beginning on *Page 140*, and ending on
Page 186

1st. **T**HIS Table begins with
1 Inch broad, and by
the Addition of a Quarter of an
Inch, extends itself to 24 Inches
the BREADTH.

2^{dly}. Each Page of this Ta-
ble, is divided into *Two* distinct
Parts, and each Part consists of
Two Columns.

3^{dly}. The FIRST Part of the
narrow Column to the left Hand,
shews the several Lengths in Feet,
from 1 to 24; and, the SECOND
Part the Inches, from 1 to 11;
and the THIRD Part, the Quar-
ters of an Inch.

4^{thly}. The *Three* or *Four* Rows
of Figures in the larger Column,
on the Right Hand, marked at
the Top, Ft. In. Pa. and lower,
Ft. In. Pa. S. and T. are the se-
veral Contents in square Feet, In-
ches, Twelfth Parts of an Inch,
Se-

Seconds, and Thirds ; answering to every Foot, Inch, and Quarters of an Inch, in the Length, in the left Hand Column.

The Use of the TABLE.

EXAMPLE I.

If a Board is 5 Inches broad, and 9 Feet long, I desire to know how many square Feet are contained therein ?

Look at the *Top* of the Table for 5 Inches (the *Breadth*,) and then keep your Eye down the *left Hand Column*, 'till you come to 9 Feet (the *Length*,) and *over-against* that, stands 3 : 9 : 0, which signify 3 Feet, 9 Inches, and is the *Content* required.

EXAMPLE II.

There's a Plank, 17 Feet, 9 Inches long, and $21 \frac{1}{2}$ Inches broad; I demand how many square Feet, are contained in that Plank ?

At the *Top* of the Table, find $21 \frac{1}{2}$ Inches (the *Breadth*,) and then look down the *left Hand Column*, for 17 Feet (the *Length*,) and right against it, stands 30 : 5 : 6 ; which signifies 30 Feet, 5 Inches, and 6 *Twelfth* Parts, or *Half an Inch*. Then Look for 9 Inches (the *Length*,) and against it, stands 1 : 4 : 1 : 6, that is, 1 Foot, 4 Inches, 1 *Twelfth* Part of an Inch, and 6 *Seconds*, (or *Half a Twelfth* Part of an Inch;) then *add* these two together, and
you

lxii *The Use of the*

you find the Content to be,
31 Feet, 9 Inches, and 7 Twelfth
Parts of an Inch, — the 6 Seconds
may be rejected.

	Ft.	In.	P.S.
At 17 Feet	30	5	6 0
At 9 Inches		1	4 1 6

The Content required is 31 9 7 6

☞ The *Quarters* of an *Inch*, (when you have Occasion for them) must be found and added to the *Feet* and *Inches*.

N. B. If you have a Plank *broad* at one *End* than the other (which is very common,) you will certainly (by what has been observed before) either take the *Breadth* in the *Middle*; or at *each End*, and add them together, and take the *Half* for the true *Breadth* (provided both *Edges* be *strait*) as you are directed in the Case of *Solid Measure*, on Pages xxxii. and lxxi.

☞ When you happen to meet with any *Board*, *Plank*, &c. *broad* than 24 Inches, or *longer* than 24 Feet, you must observe,

EXAMPLE III.

In a Plank 19 Feet long, and 27 Inches broad, I demand how many square Feet there are?

☞ Now since your Table extends but to 24 Inches broad, the 27 Inches must be taken out at twice, viz,

	F.	I.	P.
19 Feet long, and 24 Inches broad, is	38	0	0
19 Feet long, and $\frac{3}{27}$ Inches broad, is	04	9	0

The Content required is 42 9 0

So that a Plank, 19 Feet long, and 27 Inches broad, contains 42 superficial Feet, and 9 Inches.

If

Table of Flat Measure. lxiii

If you have a *Stock*, or *Parcel* of *Boards*, or *Planks*, to measure, which are all of *one Length*, but of *different Breadths*, you must set down the *Contents* of *each*, and add them together in the following *Manner*.

EXAMPLE IV.

16 Feet is the common *Length*, and the *Breadth* of

No.	Inches.	Contents.		
		F.	I.	P.
1	is 7	9	4	0
2	$7\frac{1}{2}$	10	0	0
3	8	10	8	0
4	$8\frac{1}{2}$	11	4	0
5	9	12	0	0
6	$9\frac{1}{2}$	12	8	0
7	10	13	4	0
8	$10\frac{1}{2}$	14	0	0
9	11	14	8	0
10	$11\frac{1}{2}$	15	4	0
11	12	16	0	0

The *square* or *superficial Content* of the said 11 *Planks* is } 139 4 0

Which is 139 Feet, 4 Inches, the *Content* required.

See the *Observations* concerning *SAW-YERS Work*, on Page lxxi.

THE

U S E
OF THE
T A B L E
OF
Superficial or Flat
M E A S U R E,
When applied to
Glaziers Work
Of all Kinds.

Beginning on Page 140, and ending on
Page 186.

EXAMPLE I.

IN a Window of leaded Glass, which has three Lights in it, each Light being 3 Feet long, and $15 \frac{1}{4}$ Inches broad, I desire to know how many Feet there is of Glazing?

First add the *Length* of the Three Lights together, which make 9 Feet; then look in the Table for $15 \frac{1}{4}$ Inches, the *Breadth*, and against 9 Feet (the *Length*,) you will find 11 : 5 : 3; which is 11 Feet, 5 Inches, and 3 Twelfth Parts, or a Quarter of an Inch; and that is the *Content* of the Three Lights required.

EXAMPLE II.

In Four Windows (of leaded Glass) each Window having two
Lights,

The Use of the Table in lxxv
Lights, and each Light being 3
Feet, 6 $\frac{1}{4}$ Inches long, and 17 $\frac{3}{4}$
Inches broad: I demand how ma-
ny Feet there is of Glazing?

First the *Length* of all the 8
 Lights must be *added* together,
 which make 28 Feet, and 6 In-
 ches; then look in the Table for
 17 $\frac{3}{4}$ Inches the *Breadth*:

But since the Table does not ex-
 tend to 28 Feet the Length, you
 must take the Answer out at Thrice,
 viz.

	F.	I.	P.	S.
20 Feet long, and 17 $\frac{1}{4}$ In- ches the Breadth, is	}	29	07	00
8 Feet long, and 17 $\frac{1}{4}$ In- ches the Breadth, is		11	10	00
6 Inches long, and 17 $\frac{1}{4}$ In- ches, the Breadth, is		03	08	10 6

The Content required 42 01 10 6

So that 4 Windows, each ha-
 ving two Lights, and each Light
 being 3 Feet 6 $\frac{1}{4}$ Inches long,
 and 17 $\frac{3}{4}$ Inches wide, contain 42
 Feet, 1 Inch, 10 Parts, and 6 Se-
 conds of Glazing.

N. B. If you have any *Quarters* of an
 Inch in the *Length*, they must be found
 at the *Bottom* of the Table, and added as
 the *Inches* are in this *Example II*.

To measure Sash-Squares, this
 Table is also very useful.

EXAMPLE III.

In a Sash-Window that has 12
 Squares of Glass (i. e. is 4 high,
 and 3 broad) each Square being 10
 Inches high, and 8 $\frac{1}{4}$ Inches, broad.
 I would know how many Feet of
 Glass it contains?

i

First

lxvi *The Use of the Table in*

First *add* together the *Height* of the 12 *Squares*, which make 10 *Feet*; then look in the *Table* for $8\frac{1}{4}$ *Inches* the *Breadth*, and against 10 *Feet* (the *Length*) is 6 *Feet*, 10 *Inches*, and 6 *Twelfth Parts*, or *Half* an *Inch*; which is the *Quantity* of *Glass* in the said *Sash-Window*.

N. B. If you have any *odd Inches*, or *Quarters* of an *Inch* in the *Length*, you must proceed as in *Example II*.

EXAMPLE IV.

In a *Sash-Window* having 18 *Squares*, each *Square* being 20 *Inches* high, and $11\frac{3}{4}$ *Inches* broad. I would know how many *Feet* of *Glass* are therein?

First *add* together the *Height* of the 18 *Squares*, which is 360 *Inches* (or 30 *Feet*;) then look in the *Table* for $11\frac{3}{4}$ *Inches* the *Breadth*:

But since the *Table* does not extend to 30 *Feet* the *Length*, you must take the *Answer* out at twice, viz.

	F.	I.	P.
20 <i>Feet</i> long, and 11 <i>Inches</i> $\frac{3}{4}$, in <i>Breadth</i> , is	19	7	0
10 <i>Feet</i> long, and 11 <i>Inches</i> $\frac{3}{4}$, in <i>Breadth</i> , is			
	09	9	6

The *Content* required is 29 4 6

So that a *Sash-Window* that hath 18 *Squares*, each *Square* being 20 *Inches* high, and $11\frac{3}{4}$ *Inches* wide, contains 29 *Feet* 4 *Inches*, and a *Half* of *Glass*.

measuring Glaziers Work. lxxvii

¶ *Observe that for the Generality, Soft Windows have either 12, or 18 Squares each; and in such a Case the Quantities are more easily and expeditiously found by the following Method.*

When a Window hath 12 Squares, the Inches in Height are to be conceived so many Feet in Length, as will more plainly appear by reconsidering the foregoing EXAMPLE III. where the 12 Squares were each of them 10 Inches high, and consequently, when added together, made 10 Feet in Length; so that by this Method of conceiving the Inches in Height, to be Feet, the Trouble and Time in adding the 12 together, is hereby saved, and the Question more easily answered.

^u *Again; When a Window hath 18 Squares in it, if you conceive the Height in Inches to be Feet, and take the Content as given by the Table, and the Half of that Content, and these added together, will be the Quantity; and this Method will be very serviceable (if rightly understood;) for by this Means you will rarely exceed the Extent of the Table (few Squares being more than 24 Inches high, the Bounds of the Table in Feet) as for Instance:*

In EXAMPLE IV. where the Height of each Square was 20 Inches, and $11\frac{3}{4}$ Inches broad, look in the Table for $11\frac{3}{4}$ Inches, and against 20 Feet long, (i. e. Inches high) is 19 Feet, 7

1 2Inches,

lxviii *The Use of the Table, &c.*

Inches, *Half* of which is 9 Feet, 9 Inches, and a *Half*, and these being *added* together, make 29 Feet, 4 Inches; and a *Half*, which was the *Content* as given before; on *Page* lxvi.

Many more *Examples* might be added to illustrate this *RULE*, but a little Application and Practice will make it very easy and familiar.

A TABLE of English Measures, and Quantities, relating to Building and Land.

A N Inch, is *one Twelfth* of a Foot.

A Palm, is 3 Inches.

A Hand, is 4 Inches.

A Span, is 9 Inches, or a *Quarter* of a Yard, or Half a Cubit.

A Foot, is 12 Inches, or 3 Hands.

A Square Foot, is 144 square Inches.

A cubical Foot, is 1728 cubical Inches.

A Cubit, is 4 Hands and a *Half*, or 1 Foot and a *Half*.

A Yard, is 36 Inches or 2 Cubits.

A square Yard, is 9 square Feet.

A cubical Yard, is 27 cubical Feet.

An Ell, is 1 Yard and a *Quarter*, or 45 Inches.

A geometrical Space, is 5 Feet.

A Fathom, is 6 Feet, or 2 Yards.

A Square, is 100 square Feet.

A Statute-pole, or Perch, or Rod, is 16 Feet and a *Half*.

A Chain, is 4 Statute-poles, or Perches, or 22 Yards.

A Fen, or Woodland-pole, or Perch, is 18 Feet.

A Forest-pole, or Perch, is 21 Feet.

A Furlong, is 40 Poles, or Perches, or 220 Yards.

A Mile, is 8 Furlongs, or 1760 Yards.

A square Statute pole, or Perch, is $272\frac{1}{4}$ square Feet.

A Table of Measures. Ixix

- A *square* Woodland-pole, or Perch, is
234 *square* Feet.
- A Rood, is 40 *square*-poles, or Perches.
- An Acre, is 4 *square*-roods, or 160 *Perches*.
- A Load of *rough* Timber, is 40 Feet.
- A Load of *squared* Timber, is 50 Feet.
- A Load of 1 Inch Plank, is 600 *square* Feet.
- A Load of $1\frac{1}{2}$ Inch Plank, is 400 *square* Feet.
- A Load of 2 Inch Plank, is 300 *square* Feet.
- A Load of $2\frac{1}{2}$ Inch Plank, is 240 *square* Feet.
- A Load of 3 Inch Plank, is 200 *square* Feet.
- A Load of $3\frac{1}{2}$ Inch Plank, is 170 *square* Feet.
- A Load of 4 Inch Plank, is 150 *square* Feet.
- A Load of *Statute* Bricks, is 500.
- A Load of *plain* Tiles, is 1000.
- A Load of Lime, is 32 *Bushels*.
- A Load of Sand, is 36 *Bushels*.
- A Hundred of Lime, is 35 *Bushels*.
- A Hundred of Deals, is 120.
- A Hundred of Nails, is 120.
- A Thousand of Nails, is 1200.
- A Ton of Iron, is 2240 *Pound Weight*.
- A Fodder of Lead, is 19 Hundred $\frac{1}{2}$, or
2184 *Pound*.
- A Hundred of Lead, is 112 *Pound-Weight*.
- A Table of Glass, is 5 Feet, and 45 Tables is a Case; but of NEWCASTLE, and NORMANDY Glass, 25 Tables is a Case.
- A Bundle of 4 Feet Oak-Heart-Laths, is 120, and $37\frac{1}{2}$ Bundles is a Load.
- A Bundle of 5 Feet Oak-Heart-Laths, is 100, and 30 Bundles is a Load.
- N. B. Fir or Deal Laths, are of divers Lengths, as 3, 4, 5, and 6 Feet; but all of them are reduced to the *Standard Length* of 5 Feet; and so every Run of Bundles (each *Bundle* containing 100 Laths) is a Load, being equal to 30 Bundles of 5 Feet Laths.

SOME

This Day is Publish'd,
The FOURTH Edition, Greatly ENLARGED.

THE
Plate-Glass-Book,

CONSISTING OF

The following *authentic* TABLES.

- I. The *Value* of any *Looking-Glass* when *finisht*, and fit for framing.
- II. The GLASS-HOUSE TABLE; shewing the *Value* of the *Rough-Plate*, and also of the *Rough-Plate* and *DUTY*.
- III. The *Prices* of *Grinding*, *Polishing*, *Silvering*, and *Diamond-cutting* the several MARKS or SIZES.
- IV. The *Value* of a LOOKING-GLASS when *accidentally* BROKEN, or *designedly* DIVIDED.
- V. The several DISCOUNTS made at the
Glass-Houses.

To which is PREFIXED,

An *Explanation* of the Tables: And a *Preface*, demonstrating the FALLIBILITY and INCORRECTNESS of all *written* Tables and *wooden* Rules, for the *valuing* of PLATE-GLASS.

WITH

Some *Observations* concerning the *Nature* and *Antiquity* of GLASS in general. Of *Plate* or *Looking-Glass*; Of the *Ingredients* of which it is *made*, and the *Time* it requires for *sounding*; Of the MANNER of *grinding*, *polishing*, and *silvering* it. Also of the different COLOURS of *Plate-Glass*; and at *what Rate* the several *Hazards* attending the *working*, *silvering*, *framing*, and *packing* of it ought to be *estimated*. Also of MIRRORS both *Concave* and *Convex*.

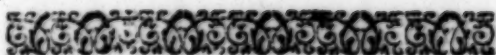
By a GLASS-HOUSE Clerk.

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Consisting of *Ninety-odd* TABLES, with INSTRUCTIONS for the *valuing* of KITCHEN and HOUSEHOLD FURNITURE, &c. &c.

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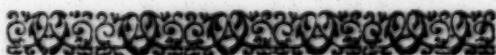
SOME
OBSERVATIONS
CONCERNING
T I M B E R,

Sawed into

BOARDS or PLANKS.

And also

Concerning *Sawyers Work*, and
the usual Method of measuring
them: With some Account of
the LONDON *Prices of Sawyers
Work.*



THE following Figure 1, and Figure 2, are intended to represent two different shaped BOARDS, or PLANKS, each 6 Feet long, each 10 Inches broad at the Butt, and each 8 Inches broad at the Top; the dotted Lines, shew how they each differ from such Boards, or Planks, as are strait-sided.

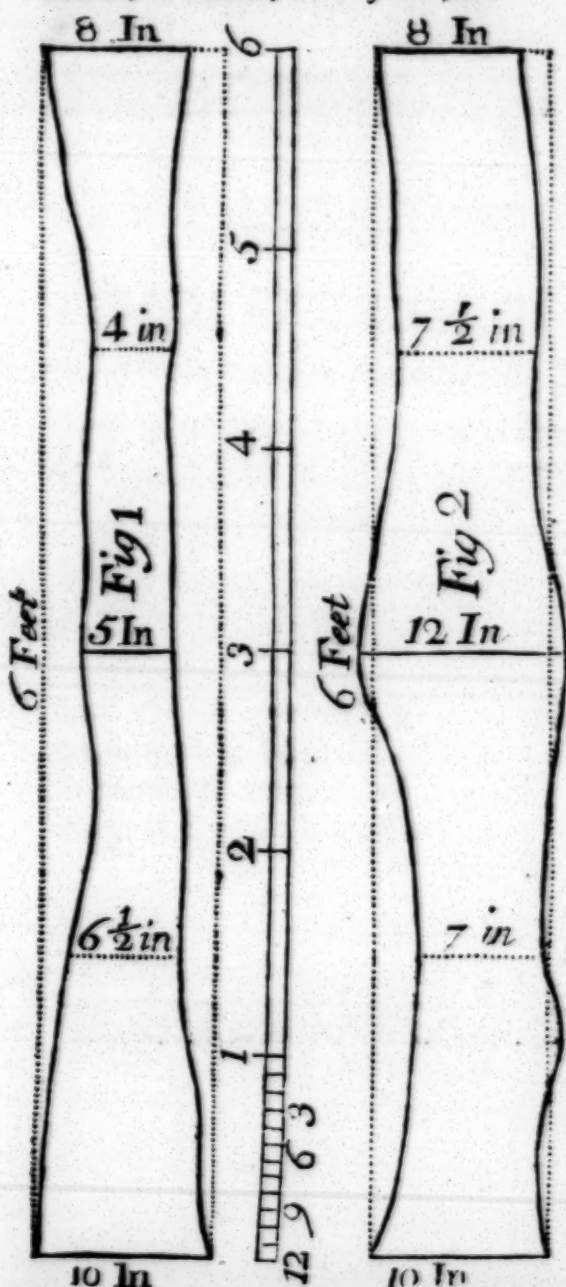


FIG. 1. you see measures 5 Inches in the Middle, which look for in the Table, and

and at 6 Feet the *Length*, you find it contains 2 Feet 6 Inches, according to the *customary Way* of measuring.

Fig. 2. You see measures 12 Inches in the middle, which look for in the Table, and at 6 Feet the *Length*, you find it contains 6 Feet, according to the *customary Way* of measuring. So that it is evident, that of two Boards, or Planks, of the same *Length*, and of the same *Breadth* at the *Butt*, and *Top*, according as the *Middle* runs one shall contain *Three* superficial Feet, and an Half, more or less, than the other.

FIG. 1. by Two Dimensions.

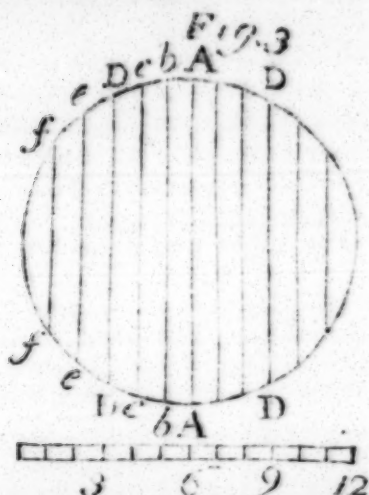
Let us now suppose Fig. 1. to be cut in the Middle, and to be measured by two Dimensions: The *Middle* of the *bottom* Part measures 6 Inches and a Half, which look for in the Table, and at 3 Feet the *Length*, you find it contains 1 Foot, 7 Inches, and a Half (or 6 Parts). The *Middle* of the *Top* Part is 4 Inches, which look for in the Table, and at 3 Feet the *Length*, you will find it contains just 1 Foot; these added together, make the whole to be 2 Feet, 7 Inches, and a Half; so that there is only 1 superficial Inch, and a Half, gained or lost, by measuring Fig. 1. by one or two Dimensions.

FIG. 2. by Two Dimensions.

Let us now measure Fig. 2. by Two Dimensions: The *Middle* of the *bottom* Part measures 7 Inches, which look for in the Table, and at 3 Feet, the *Length*, you will find it contains 1 Foot 9 Inches; the *Middle* of the *top* Part is $7\frac{1}{2}$ Inches, which, by the Table at 3 Feet the *Length*, is 1 Foot 10 Inches, and a Half; and these added together (instead of making 6 Feet as before) make the whole to contain no more than 3 Feet, 7 Inches, and a Half; which is 2 Feet, 4 Inches, and a Half less than it measured to, when measured by one Dimension.

And if we suppose, Fig. 2. to be a fine Walnut-tee, two Inch Plank, at 12 d. per Foot; if measured by one Dimension, it comes to 6 s. but if it be measured by two Dimensions, it comes (at the same Price) to no more than 3 s. 7 d. $\frac{1}{2}$, which is 2 s. 4 d. $\frac{1}{2}$, Loss.

THE following CUT, Fig. 3. is intended to represent the End of a straight Piece of round Timber, 12 Inches Diameter, at each END; and 6 Feet long.



AA. Shews what is commonly called *Sawyers Measure*, for which, at LONDON, if it be OAK, there is usually paid 3*s.* per 100 Feet, *Superficial Measure*.

DD. Shews what is commonly called *Market Measure* (and which is the truest) for which at LONDON, if it be OAK, there is usually paid 3*s.* 6*d.* per 100 Feet, *Superficial Measure*.

The first Column in the following Table, shews the DIAMETER; the second the SUPERFICIAL Content; and the Third, what is lost per each Cut, or Board, if you pay for them all per *Sawyers Measure*.

The Diameter, or Breadth of each Cut.			Superficial Content of each Cut or Board.			Lost per each Cut.		
	Ft.	In.	F.	In.	P.	Ft.	In.	P.
AA	1	0	6	0	0	0	0	0
bb	0	11 $\frac{3}{4}$	5	10	6	0	1	6
cc	0	11 $\frac{1}{2}$	5	9	0	0	3	0
DD	0	10 $\frac{3}{4}$	5	4	6	0	7	6
ee	0	9	4	6	0	1	6	0
ff	0	7	3	6	0	2	6	0

At LONDON, the Sawyers cut Timber at the following Prices.

OAK, from 3s to 3s 6d per 100 Feet, *Superficial Measure*; or 7s per Load, of 50 solid Feet.

ASH, from 5s to 6s per 100 Feet, *Superficial Measure*; or from 8s to 12s per Load, of 50 solid Feet.

FIR, from 3s to 4s per 100 Feet, *Superficial Measure*; or 6s per Load, of 50 solid Feet.

What are called *DEALS*, are sawed *Abroad*; but for *slitting* 10 Feet *Deals*, there is usually paid in LONDON, 2s 6d per Dozen, or 2d $\frac{1}{2}$, per Cut; and for 12 Feet *Deal*, 3s per Dozen, or 3d per Cut.

MAHOGONY, from 5s to 8s per 100 Feet, *Superficial Measure*.

WALNUT-TREE, from 5s to 7s per 100 Feet, *Superficial Measure*.

ELM, from 2s 6d to 5s per 100 Feet, *Superficial Measure*.

N. B. Mahogany, Wall-nut-Tree, and Elm, are never cut by the Load.

N. B. BEECH is commonly used for Bedsteads, Chairs, Table Frames, &c. and is generally cut in the Country.

N. B. The Difference in the Prices of sawing the same foregoing Woods, arises from the *valuableness* and *fineness* of the Timber and sawing.

☞ No Planking, less than 2 Inches thick is cut by the Load: In Case it is thinner than 2 Inches thick, it is measured by the 100 Feet *Superficial Measure*.

N. B. By Custom, the Sawyers at London have one Piece with another, as they shall happen to fall out, as much per Load for breaking down, or cutting a Piece of Timber into large Scantlings, as they have for breaking it down, or cutting it into small Scantlings; viz. they will cut a Piece of Timber, a Foot square, of any Length, into 2 Scantlings of 12 Inches, by 6 Inches; or into 4 Scantlings of 6 Inches

lxxvi *Of Measuring.*

6 *Inches*, by 6 *Inches*; or into 12 Scantlings of 4 *Inches*, by 3 *Inches*, all at one and the *same Price*, or for the *same Money*. And the Reason they give for this Practice is, where the Stuff proves *fine*, it is seldom, or never, the Interest of the Owner, to have it cut into *small Scantlings*.

N. B. Having occasionally made Use of the Terms, *Lineal*, or *Running*; *Superficial*, or *Square*; and *Solid*, or *Cubical Measure*, in the foregoing Pages, it may not be amiss here to explain them.

Lineal, or *Running Measure*; regards only the *Length*, but has no regard to the *Breadth*, or *Thickness*.

Superficial or *Square Measure*; regards the *Length* and *Breadth*.

Solid, or *Cubical Measure*; regards the *Length*, *Breadth*, and *Thickness*.

Just published,

Price One Shilling Bound, or Ten Shilling a Dozen to those who give them away,

A

Pious Companion for Youth;

O R, A

Guide and Monitor to young Persons,

Who for want of Consideration and Experience, are in Danger of forgetting their Creator, and running in evil Courses. Consisting of Devotions, Meditations, Instructions, and such other pious Exercises, as may tend to promote their Happiness in this Life, and conduct them to eternal Happiness hereafter.

By R. PEERS, M. A.

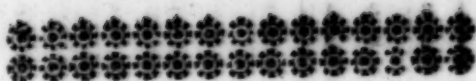
Late Vicar of *Farringdon in Berks*, Author of the Companion for the Aged.

Remember now thy Creator in the Days of thy Youth. Eccles. xii. 1.

London: Printed for J. Coote, at the King's-Arms, in *Pater-noster-Row*.

* * Any Parent, Guardian, or other Person who is entrusted with the Care of Youth of either Sex, would do well to give them one of these little Books; they cannot make them a more salutary Present.





A N E W
TABLE

For the Finding at Sight the
S Q U A R E

Of Unequal-Sided

TIMBER, STONE, &c.

Ready cast up;

Whereby the true *Square* of any
Piece of *Timber, Stone, &c.*
being broader *one way* than
the other, may be found,
from 2 to 54 *Inches* the
broadest Side.

And therefore, by *Addition* only, may
serve to any *greater Breadth*, if there
should ever be Occasion.

✠ See this Table *explained*
on *Page xx*.



2 In. Sqr.			12			5			2			7			5			0		
2	2	1	2	5	2	2	5	2	2	5	2	2	5	2	2	5	2			
3	2	2	13	5	3	2	5	3	2	5	3	2	5	3	2	5	3			
2	2	3	2	6	0	2	6	0	2	6	0	2	5	3	2	5	3			
4	2	3	14	6	0	2	6	0	2	6	0	2	5	3	2	5	3			
2	3	0	2	6	1	15	6	1	10	6	0	2	6	0	2	6	0			
5	3	1	2	6	1	2	6	1	2	6	0	2	6	0	2	6	0			
2	3	2	16	6	1	2	6	1	11	6	1	2	6	1	2	6	1			
6	3	2	2	6	2	2	6	2	2	6	1	2	6	1	2	6	1			
2	3	3	17	6	2	2	6	2	12	6	2	2	6	2	2	6	2			
7	3	3	2	6	2	2	6	2	2	6	2	2	6	2	2	6	2			
2	3	3	18	6	3	13	6	3	13	6	3	2	6	3	2	6	3			
8	4	0	2	7	0	2	7	0	2	7	0	2	7	0	2	7	0			
2	4	0	3 In. Sqr. <th colspan="3"></th> <th colspan="3"></th> <th colspan="3"></th> <th colspan="3"></th> <th colspan="3"></th>																	
9	4	1	2	3	1	2	3	1	14	7	0	2	7	0	2	7	0			
2	4	1	4	3	2	2	3	2	2	7	1	2	7	1	2	7	1			
10	4	2	2	3	3	15	7	1	2	7	1	2	7	1	2	7	1			
2	4	2	5	3	3	2	4	0	16	7	2	2	7	2	2	7	2			
11	4	3	2	4	0	2	4	1	2	7	2	2	7	2	2	7	2			
2	4	3	6	4	1	17	7	2	17	7	3	2	7	3	2	7	3			
12	5	0	2	4	1	2	4	2	2	7	3	2	7	3	2	7	3			
2	5	0	7	4	2	2	4	2	18	8	0	2	7	3	2	7	3			
13	5	1	2	4	3	2	4	3	4 In. Sqr. <th colspan="3"></th> <th colspan="3"></th> <th colspan="3"></th>											
2	5	1	8	4	3	2	5	0	2	4	1	2	4	1	2	4	1			
14	5	1	2	5	0	2	5	1	5	4	2	2	4	2	2	4	2			
2	5	2	9	5	1	2	5	1	2	4	3	2	4	3	2	4	3			
15	5	2	2	5	1	10	5	2	2	4	3	2	4	3	2	4	3			
2	5	2	10	5	2	2	5	2	2	4	3	2	4	3	2	4	3			
16	5	3	2	5	2	11	5	3	7	5	1	2	4	3	2	4	3			
2	5	3	12	6	0	2	6	0	2	4	3	2	4	3	2	4	3			
17	5	3	2	6	0	12	6	0	8	5	2	2	4	3	2	4	3			
2	6	0	13	6	1	2	6	1	2	4	3	2	4	3	2	4	3			
18	6	0	2	6	1	13	6	1	9	6	0	2	4	3	2	4	3			
2 1/2 Sqr. <th colspan="3"></th> <th colspan="3"></th> <th colspan="3"></th> <th colspan="3"></th> <th colspan="3"></th> <th colspan="3"></th>																				
3	2	3	2	6	1	2	6	1	2	4	3	2	4	3	2	4	3			
2	3	0	14	6	2	2	6	2	10	6	1	2	4	3	2	4	3			
4	3	1	2	6	2	2	6	2	2	4	3	2	4	3	2	4	3			
2	3	2	15	6	3	2	6	3	11	6	3	2	4	3	2	4	3			
5	3	2	2	6	3	2	6	3	2	4	3	2	4	3	2	4	3			
2	3	3	16	7	0	16	7	0	12	7	0	2	4	3	2	4	3			
6	3	3	2	7	0	2	7	0	2	4	3	2	4	3	2	4	3			
2	4	0	17	7	1	17	7	1	13	7	1	2	4	3	2	4	3			
7	4	1	2	7	1	2	7	1	2	4	3	2	4	3	2	4	3			
2	4	1	18	7	1	18	7	1	14	7	2	2	4	3	2	4	3			
8	4	2	3 1/2 Sqr. <th colspan="3"></th> <th colspan="3"></th> <th colspan="3"></th> <th colspan="3"></th> <th colspan="3"></th>																	
2	4	2	4	3	3	4	3	3	15	7	3	2	4	3	2	4	3			
9	4	3	2	3	3	2	3	3	2	4	3	2	4	3	2	4	3			
2	4	3	5	4	0	5	4	0	16	8	0	2	4	3	2	4	3			
10	5	0	2	4	1	2	4	1	2	4	3	2	4	3	2	4	3			
2	5	0	6	4	2	6	4	2	17	8	1	2	4	3	2	4	3			
11	5	1	2	4	3	2	4	3	2	4	3	2	4	3	2	4	3			
2	5	1	7	4	3	7	4	3	18	8	2	2	4	3	2	4	3			



4 $\frac{1}{2}$ Sqr.			17	9	1	17	10	0
5	4	3	2	9	1	2	10	1
2	5	0	18	9	2	18	10	2
5 $\frac{1}{2}$ Sqr.			6 $\frac{1}{2}$ Sqr.			7 $\frac{1}{2}$ Sqr.		
6	5	1	6	5	3	7	6	3
2	5	2	2	6	0	2	7	0
7	5	2	7	6	1	8	7	1
2	5	3	2	6	2	2	7	2
8	6	0	8	6	3	9	7	3
2	6	1	2	6	3	2	7	3
9	6	1	9	7	0	10	8	0
2	6	2	2	7	1	2	8	1
10	6	3	10	7	2	11	8	2
2	6	3	2	7	2	2	8	3
11	7	0	11	7	3	12	8	3
2	7	1	2	8	0	2	9	0
12	7	1	12	8	0	13	9	1
2	7	2	2	8	1	2	9	1
13	7	3	13	8	2	14	9	2
2	7	3	2	8	2	2	9	3
14	8	0	14	8	3	15	10	0
2	8	0	2	9	0	2	10	0
15	8	1	15	9	0	16	10	1
2	8	1	2	9	1	2	10	1
16	8	2	16	9	2	17	10	2
2	8	2	2	9	2	2	10	3
17	8	3	17	9	3	18	10	3
2	8	3	2	9	3			
18	9	0	18	10	0			
5 In. Sqr.			6 In. Sqr.			7 In. Sqr.		
2	5	1	2	6	1	2	7	1
6	5	2	7	6	2	8	7	2
2	5	3	2	6	3	2	7	3
7	6	0	8	7	0	9	8	0
2	6	0	2	7	1	2	8	1
8	6	1	9	7	1	10	8	1
2	6	2	2	7	2	2	8	2
9	6	3	10	7	3	11	8	3
2	6	3	2	8	0	2	9	0
10	7	0	11	8	0	12	9	1
2	7	1	2	8	1	2	9	1
11	7	2	12	8	2	13	9	2
2	7	2	2	8	3	2	9	3
12	7	3	13	8	3	14	10	0
2	8	0	2	9	0	2	10	0
13	8	0	14	9	1	15	10	1
2	8	1	2	9	1	2	10	2
14	8	1	15	9	2	16	10	2
2	8	2	2	9	2	2	10	3
15	8	3	16	9	3	17	11	0
2	8	3	2	10	0	2	11	0
16	9	0				18	11	1
2	9	1						

7 $\frac{1}{2}$ Sqr.			13	10	2	10 In. Sqr.		
8	7	3	2	10	3	2	10	1
2	8	0	14	11	0	11	10	2
9	8	1	2	11	0	2	10	3
2	8	2	15	11	1	12	11	0
10	8	3	2	11	2	2	11	1
2	8	3	16	11	3	13	11	2
11	9	0	2	11	3	2	11	2
2	9	1	17	12	0	14	11	3
12	9	2	2	12	1	2	12	0
2	9	3	18	12	1	15	12	1
13	9	3	9 In. Sqr.			2	12	2
2	10	0	2	9	1	16	12	3
14	10	1	10	9	2	2	12	3
2	10	2	2	9	3	17	13	0
15	10	2	11	10	0	2	13	1
2	10	3	2	10	1	18	13	2
16	11	0	12	10	2	2	13	2
2	11	0	2	10	2	19	13	3
17	11	1	13	10	3	2	14	0
2	11	2	2	11	0	20	14	1
18	11	2	14	11	1	10 $\frac{1}{2}$ Sqr.		
8 In. Sqr.			2	11	2	11	10	3
2	8	1	15	11	2	2	11	0
9	8	2	2	11	3	12	11	1
2	8	3	16	12	0	2	11	2
10	9	0	2	12	1	13	11	3
2	9	1	17	12	1	2	12	0
11	9	2	2	12	2	14	12	0
2	9	2	18	12	3	2	12	1
12	9	3	9 $\frac{1}{2}$ Sqr.			15	12	2
2	10	0	10	9	3	2	12	3
13	10	1	2	10	0	16	13	0
2	10	2	11	10	1	2	13	1
14	10	2	2	10	2	17	13	1
2	10	3	12	10	3	2	13	2
15	11	0	2	11	0	18	13	3
2	11	1	13	11	0	2	14	0
16	11	1	2	11	1	19	14	0
2	11	2	14	11	2	2	14	1
17	11	3	2	11	3	20	14	2
2	11	3	15	12	0	2	14	3
18	12	0	2	12	1	21	14	3
8 $\frac{1}{2}$ Sqr.			16	12	1	11 In. Sqr.		
9	8	3	2	12	2	2	11	1
2	9	0	17	12	3	12	11	2
10	9	1	2	13	0	2	11	3
2	9	2	18	13	0	13	12	0
11	9	3	2	13	1	2	12	1
2	10	0	10	13	2	14	12	2
12	10	0	2	13	2	2	12	3
2	10	1	11	13	2			

Unequal-Sided TIMBER, &c. §

15	12	3	18	14	3	19	15	2
2	13	0	2	15	0	2	15	3
16	13	1	19	15	0	20	16	0
2	13	2	2	15	1	2	16	1
17	13	3	20	15	2	21	16	2
2	13	3	2	15	3	2	16	3
18	14	0	21	15	3	22	17	0
2	14	1	2	16	0	2	17	0
19	14	2	22	16	1	23	17	1
2	14	3	2	16	2	2	17	2
20	14	3	23	16	3	24	17	3
2	15	0	2	16	3	2	17	3
21	15	1	24	17	0	25	18	0
2	15	1				2	18	1
22	15	2	12 $\frac{1}{2}$ Sqr.			26	18	2
11 $\frac{1}{2}$ Sqr.			13	12	3	13 $\frac{1}{2}$ Sqr.		
12	11	3	2	13	0	14	13	3
2	12	0	2	13	2	2	14	0
13	12	0	2	14	0	15	14	1
2	12	1	2	14	1	2	14	2
14	12	2	2	14	1	16	14	3
2	12	3	2	14	2	2	15	0
15	13	0	2	14	3	17	15	1
2	13	1	2	15	0	2	15	1
16	13	2	2	15	0	18	15	2
2	13	3	2	15	1	2	15	3
17	14	0	2	15	2	19	16	0
2	14	1	2	16	0	2	16	1
18	14	2	2	16	1	20	16	2
2	14	2	2	16	2	2	16	3
19	14	3	2	16	3	21	16	3
2	15	0	2	17	0	2	17	0
20	15	1	2	17	1	22	17	1
2	15	1	2	17	2	2	17	2
21	15	2	2	17	3	23	17	2
2	15	3	2	17	1	2	17	3
22	16	0	2	17	2	24	18	0
2	16	0	2	17	3	2	18	1
23	16	1	25	17	3	25	18	1
12 In. Sqr.			13 In. Sqr.			2	18	2
2	12	1	2	13	1	26	18	3
13	12	2	2	13	2	27	19	0
2	12	3	2	13	3	14 In. Sqr.		
14	13	0	2	14	1	2	14	1
2	13	1	2	14	2	15	14	2
15	13	2	2	14	3	2	14	3
2	13	3	2	15	0	16	15	0
16	13	3	2	15	1	2	15	1
2	14	0	2	15	2	17	15	2
17	14	1	2	15	3	2	15	3
2	14	2						

18	16	0	15 In. Sqr.	26	20	0
2	16	1	2 15 1	2	20	1
19	16	2	16 15 2	27	20	2
2	16	3	2 15 3	2	20	3
20	16	3	17 16 0	28	20	3
2	17	0	2 16 1	2	21	0
21	17	1	18 16 2	29	21	1
2	17	1	2 16 3	2	21	2
22	17	2	19 17 0	30	21	3
2	17	3	2 17 0	2	21	3
23	18	0	20 17 1	31	22	0
2	18	1	2 17 2	16 In. Sqr.		
24	18	1	21 17 3	2	16	1
2	18	2	2 18 0	17	16	2
25	18	3	22 18 1	2	16	3
2	19	0	2 18 1	18	17	0
26	19	0	23 18 2	2	17	1
2	19	1	2 18 3	19	17	2
27	19	2	24 19 0	2	17	3
2	19	2	2 19 1	20	18	0
28	19	3	25 19 1	2	18	0
14 $\frac{1}{2}$ Sqr.			2 19 2	21	18	1
15	14	3	26 19 3	2	18	2
2	15	0	2 20 0	22	18	3
16	15	1	27 20 1	2	19	0
2	15	2	2 20 1	23	19	1
17	15	3	28 20 2	2	19	2
2	15	3	2 20 3	24	19	2
18	16	0	29 20 3	2	19	3
2	16	1	2 21 0	25	20	0
2	16	2	30 21 1	2	20	1
19	16	2	15 $\frac{1}{2}$ Sqr.			26 20 2
2	16	3	16 15 3	2	20	2
20	17	0	2 16 0	27	20	3
2	17	1	17 16 1	2	21	0
21	17	2	2 16 2	28	21	1
2	17	3	18 16 3	2	21	1
22	17	3	2 17 0	29	21	2
2	18	0	19 17 1	2	21	3
23	18	1	2 17 2	30	22	0
2	18	2	20 17 2	2	22	0
24	18	3	2 17 3	31	22	1
2	18	3	21 18 0	2	22	2
25	19	0	2 18 1	32	22	3
2	19	1	22 18 2	16 $\frac{1}{2}$ Sqr.		
26	19	2	2 18 3	17	16	3
2	19	2	23 18 3	2	17	0
27	19	3	2 19 0	18	17	1
2	20	0	24 19 1	2	17	2
28	20	1	2 19 2	19	17	3
2	20	1	25 19 3	2	18	0
29	20	2	2 19 3			

20	18	1	29	22	1	20	19	0
2	18	2	2	22	2	2	19	1
21	18	2	30	22	2	21	19	2
2	18	3	2	22	3	2	19	3
22	19	0	31	23	0	22	20	0
2	19	1	2	23	1	2	20	1
23	19	2	32	23	1	23	20	1
2	19	3	2	23	2	2	20	2
24	20	0	33	23	3	24	20	3
2	20	0	2	23	3	2	21	0
25	20	1	34	24	0	25	21	1
2	20	2				2	21	2
26	20	3	<u>17 $\frac{1}{2}$ Sqr.</u>			26	21	2
2	20	3	18	17	3	2	21	3
27	21	0	2	18	0	27	22	0
2	21	1	19	18	1	2	22	1
28	21	2	2	18	2	28	22	2
2	21	3	20	18	3	2	22	3
29	21	3	2	19	0	29	22	3
2	22	0	21	19	1	2	23	0
30	22	1	2	19	2	30	23	1
2	22	2	22	19	2	2	23	2
31	22	2	2	19	3	31	23	2
2	22	3	23	20	0	2	23	3
32	23	0	2	20	1	32	24	0
2	23	1	24	20	2	2	24	1
33	23	1	2	20	3	33	24	1
			25	21	0	2	24	2
			2	21	0	34	24	3
			26	21	1	2	25	0
			2	21	2	35	25	1
			27	21	3	2	25	2
			2	22	0	36	25	3
			28	22	1	<u>18 $\frac{1}{2}$ Sqr.</u>		
			2	22	1	19	18	3
			29	22	2	2	19	0
			2	22	3	20	19	1
			30	23	0	2	19	2
			2	23	0	21	19	3
			31	23	1	2	20	0
			2	23	2	22	20	1
			32	23	3	2	20	2
			2	23	3	23	20	3
			33	24	0	2	20	3
			2	24	1	24	21	0
			34	24	2	2	21	1
			2	24	2	25	21	2
			35	24	3	2	21	3
			<u>18 In. Sqr.</u>			26	22	0
			2	18	1	2	22	1
			19	18	2	27	22	1
			2	18	3	2	22	2

The SQUARE of

28	22	3	35	25	3	22	21	0
2	23	0	2	26	0	2	21	1
29	23	1	36	26	1	23	21	2
2	23	1	2	26	1	2	21	3
30	23	2	37	26	2	24	22	0
2	23	3	2	26	3	2	22	1
31	24	0	38	26	3	25	22	1
2	24	1	<hr/>			2	22	2
32	24	1	19 $\frac{1}{2}$ Sqr.			26	22	3
2	24	2	20	19	3	2	23	0
33	24	3	2	20	0	27	23	1
2	25	0	21	20	1	2	23	2
34	25	0	2	20	2	28	23	3
2	25	1	22	20	3	2	23	3
35	25	2	2	21	0	29	24	0
2	25	3	23	21	1	2	24	1
36	25	3	2	21	2	30	24	2
2	26	0	24	21	3	2	24	3
37	26	1	2	21	3	31	25	0
<hr/>			25	22	0	2	25	0
19 In. Sqr.			2	22	1	32	25	1
2	19	1	26	22	2	2	25	2
20	19	2	2	22	3	33	25	3
2	19	3	27	23	0	2	26	0
21	20	0	2	23	1	34	26	0
2	20	1	28	23	1	2	26	1
22	20	2	2	23	2	35	26	2
2	20	3	29	23	3	2	26	3
23	21	0	2	24	0	36	26	3
2	21	1	30	24	1	2	27	0
24	21	1	2	24	2	37	27	1
2	21	2	31	24	2	2	27	2
25	21	3	2	24	3	38	27	2
2	22	0	32	25	0	2	27	3
26	22	1	2	25	1	39	28	0
2	22	2	33	25	1	2	28	0
27	22	3	2	25	2	40	28	1
2	22	3	34	25	3	<hr/>		
28	23	0	2	26	0	20 $\frac{1}{2}$ Sqr.		
2	23	1	35	26	0	21	20	3
29	23	2	2	26	1	2	21	0
2	23	3	36	26	2	22	21	1
30	23	3	2	26	3	2	21	2
2	24	0	37	26	3	23	21	3
31	24	1	2	27	0	2	22	0
2	24	2	38	27	1	24	22	1
32	24	3	2	27	2	2	22	2
2	24	3	39	27	2	25	22	3
33	25	0	<hr/>			2	22	3
2	25	1	20 In. Sqr.			26	23	0
34	25	2	2	20	1	2	23	1
2	25	2	21	20	2	27	23	2
			2	20	3	2	23	3

Unequal-Sided TIMBER, &c. 9

28	24	0	33	26	1	38	28	2
2	24	1	2	26	2	2	28	3
29	24	1	34	26	3	39	29	0
2	24	2	2	27	0	2	29	1
30	24	3	35	27	0	40	29	1
2	25	0	2	27	1	2	29	2
31	25	1	36	27	2	41	29	3
2	25	2	2	27	3	2	29	3
32	25	2	37	27	3	42	30	0
2	25	3	2	28	0	2	30	1
33	26	0	38	28	1	43	30	2
2	26	1	2	28	2	22 In. Sqr.		
34	26	2	39	28	2	2	22	1
2	26	2	2	28	3	23	22	2
35	26	3	40	29	0	2	22	3
2	27	0	2	29	1	24	23	0
36	27	1	41	29	1	2	23	1
2	27	1	2	29	2	25	23	2
37	27	2	42	29	3	2	23	3
2	27	3	21 1/2 Sqr.			26	24	0
38	28	0	22	21	3	2	24	1
2	28	1	2	22	0	27	24	1
39	28	2	23	22	1	2	24	2
2	28	3	2	22	2	28	24	3
40	28	3	24	22	3	2	25	0
2	29	0	2	23	0	29	25	1
41	29	1	25	23	1	2	25	2
21 In. Sqr.			2	23	2	30	25	3
2	21	1	26	23	3	2	26	0
22	21	2	2	23	3	31	26	0
2	21	3	27	24	0	2	26	1
23	22	0	2	24	1	32	26	2
2	22	1	28	24	2	2	26	3
24	22	2	2	24	3	33	27	0
2	22	3	29	25	0	2	27	1
25	23	0	2	25	1	34	27	2
2	23	1	30	25	2	2	27	3
26	23	1	2	25	2	35	27	3
2	23	2	31	25	3	2	28	0
27	23	3	2	26	0	36	28	1
2	24	0	32	26	1	2	28	1
28	24	1	2	26	2	37	28	2
2	24	2	33	26	3	2	28	3
29	24	3	2	26	3	38	29	0
2	25	0	34	27	0	2	29	0
30	25	0	2	27	1	39	29	1
2	25	1	35	27	2	2	29	2
31	25	2	2	27	3	40	29	3
2	25	3	36	27	3	2	29	3
32	26	0	2	28	0	41	30	0
2	26	0	37	28	1	2	30	1
			2	28	2	42	30	2
						2	30	2

43	30	3	24	23	2	27	25	1
2	31	0	2	23	3	2	25	2
44	31	0	25	24	0	28	25	3
<u>22 $\frac{1}{2}$ Sqr.</u>			2	24	1	2	25	3
23	22	3	26	24	2	29	26	0
2	23	0	2	24	3	2	26	1
24	23	1	27	25	0	30	26	2
2	23	2	2	25	1	2	26	3
25	23	3	28	25	2	31	27	0
2	24	0	2	25	2	2	27	1
26	24	1	29	25	3	32	27	2
2	24	2	2	26	0	2	27	3
27	24	3	30	26	1	33	27	3
2	24	3	2	26	2	2	28	0
28	25	0	31	26	3	34	28	1
2	25	1	2	27	0	2	28	2
29	25	2	32	27	1	35	28	3
2	25	3	2	27	1	2	29	0
30	26	0	33	27	2	36	29	0
2	26	1	2	27	3	2	29	1
31	26	2	34	28	0	37	29	2
2	26	2	2	28	1	2	29	3
32	26	3	35	28	1	38	29	3
2	27	0	2	28	2	2	30	0
33	27	1	36	28	3	39	30	1
2	27	2	2	29	0	2	30	2
34	27	3	37	29	1	40	30	3
2	27	3	2	29	1	2	30	3
35	28	0	38	29	2	41	31	0
2	28	1	2	29	3	2	31	1
36	28	2	39	30	0	42	31	2
2	28	3	2	30	1	2	31	2
37	28	3	40	30	2	43	31	3
2	29	0	2	30	3	2	32	0
38	29	1	41	31	0	44	32	1
2	29	2	2	31	0	2	32	1
39	29	2	42	31	1	45	32	2
2	29	3	2	31	2	2	32	3
40	30	0	43	31	2	46	33	0
2	30	1	2	31	3	2	33	0
41	30	1	44	32	0	47	33	1
2	30	2	2	32	1	<u>24 In. Sqr.</u>		
42	30	3	45	32	1	2	24	1
2	31	0	2	32	2	25	24	2
43	31	0	46	32	3	2	24	3
2	31	1	<u>23 $\frac{1}{2}$ Sqr.</u>			26	25	0
44	31	2	24	23	3	2	25	1
2	31	3	2	24	0	27	25	2
45	31	3	25	24	1	2	25	3
<u>23 In. Sqr.</u>			2	24	2	28	26	0
2	23	1	26	24	3	2	26	1
			2	25	0			

29	26	2	31	27	2	32	28	1
2	26	2	2	27	3	2	28	2
30	26	3	32	28	0	33	28	3
2	27	0	2	28	1	2	29	0
31	27	1	33	28	2	34	29	1
2	27	2	2	28	3	2	29	1
32	27	3	34	28	3	35	29	2
2	28	0	2	29	0	2	29	3
33	28	1	35	29	1	36	30	0
2	28	1	2	29	2	2	30	1
34	28	2	36	29	3	37	30	2
2	28	3	2	30	0	2	30	2
35	29	0	37	30	0	38	30	3
2	29	1	2	30	1	2	31	0
36	29	2	38	30	2	39	31	1
2	29	2	2	30	3	2	31	2
37	29	3	39	31	0	40	31	2
2	30	0	2	31	0	2	31	3
38	30	1	40	31	1	41	32	0
2	30	2	2	31	2	2	32	1
39	30	2	41	31	3	42	32	2
2	30	3	2	31	3	2	32	2
40	31	0	42	32	0	43	32	3
2	31	1	2	32	1	2	33	0
41	31	1	43	32	2	44	33	1
2	31	2	2	32	3	2	33	1
42	31	3	44	32	3	45	33	2
2	32	0	2	33	0	2	33	3
43	32	0	45	33	1	46	34	0
2	32	1	2	33	2	2	34	0
44	32	2	46	33	2	47	34	1
2	32	3	2	33	3	2	34	2
45	33	0	47	34	0	48	34	3
2	33	0	2	34	0	2	34	3
46	33	1	48	34	1	49	35	0
2	33	2	2	34	2	2	35	1
47	33	2	49	34	3	50	35	1
2	33	3						
48	34	0						
			25 In. Sqr.			25 $\frac{1}{2}$ Sqr.		
	24 $\frac{1}{2}$ Sqr.		2	25	1	26	25	3
25	24	3	26	25	2	2	26	0
2	25	0	2	25	3	2	26	1
26	25	1	27	26	0	2	26	2
2	25	2	2	26	1	2	27	0
27	25	3	28	26	2	2	27	1
2	26	0	2	26	3	2	27	2
28	26	1	29	27	0	30	27	3
2	26	2	2	27	1	2	27	3
29	26	3	30	27	1	31	28	0
2	27	0	2	27	2	2	28	1
30	27	0	31	27	3	32	28	2
2	27	1	2	28	0	2	28	3

33	29	0	33	29	1	33	29	2
2	29	1	2	29	2	2	29	3
34	29	2	34	29	3	34	30	0
2	29	3	2	30	0	2	30	1
35	29	3	35	30	1	35	30	2
2	30	0	2	30	2	2	30	3
36	30	1	36	30	2	36	31	0
2	30	2	2	30	3	2	31	0
37	30	3	37	31	0	37	31	1
2	31	0	2	31	1	2	31	2
38	31	1	38	31	2	38	31	3
2	31	1	2	31	3	2	32	0
39	31	2	39	31	3	39	32	1
2	31	3	2	32	0	2	32	1
40	32	0	40	32	1	40	32	2
2	32	0	2	32	2	2	32	3
41	32	1	41	32	3	41	33	0
2	32	2	2	32	3	2	33	1
42	32	3	42	33	0	42	33	1
2	33	0	2	33	1	2	33	2
43	33	0	43	33	2	43	33	3
2	33	1	2	33	3	2	34	0
44	33	2	44	33	3	44	34	1
2	33	3	2	34	0	2	34	1
45	33	3	45	34	1	45	34	2
2	34	0	2	34	2	2	34	3
46	34	1	46	34	2	46	35	0
2	34	2	2	34	3	2	35	0
47	34	2	47	35	0	47	35	1
2	34	3	2	35	1	2	35	2
48	35	0	48	35	1	48	35	3
2	35	1	2	35	2	2	35	3
49	35	1	49	35	3	49	36	0
2	35	2	2	35	3	2	36	1
50	35	3	50	36	0	50	36	2
2	35	3	2	36	1	2	36	2
51	36	0	51	36	2	51	36	3
			2	36	2	2	37	0
26 In. Sqr.			52	36	3	52	37	0
						2	37	1
2	26	1	26 $\frac{1}{2}$ Sqr.			53	37	2
27	26	2	27	26	3	27 In. Sqr.		
2	26	3	2	27	1	2	27	1
28	27	0	28	27	2	28	27	2
2	27	1	2	27	3	2	27	3
29	27	2	29	27	0	29	28	0
2	27	3	2	28	0	2	28	1
30	28	0	30	28	1	30	28	2
2	28	1	2	28	2	2	28	3
31	28	2	31	28	3	31	29	0
2	28	2	2	28	3	2	29	1
32	28	3	32	29	0			
2	29	0	2	29	1			

32	29	2	31	29	1	30	29	0
2	29	2	2	29	2	2	29	1
33	29	3	32	29	3	31	29	2
2	30	0	2	29	3	2	29	3
34	30	1	33	30	0	32	30	0
2	30	2	2	30	1	2	30	1
35	30	3	34	30	2	33	30	2
2	31	0	2	30	3	2	30	3
36	31	1	35	31	0	34	30	3
2	31	2	2	31	1	2	31	0
37	31	2	36	31	2	35	31	1
2	31	3	2	31	3	2	31	2
38	32	0	37	32	0	36	31	3
2	32	1	2	32	0	2	32	0
39	32	2	38	32	1	37	32	1
2	32	3	2	32	2	2	32	2
40	32	3	39	32	3	38	32	2
2	33	0	2	33	0	2	32	3
41	33	1	40	33	1	39	33	0
2	33	2	2	33	1	2	33	1
42	33	3	41	33	2	40	33	2
2	33	3	2	33	3	2	33	3
43	34	0	42	34	0	41	34	0
2	34	1	2	34	1	2	34	0
44	34	2	43	34	2	42	34	1
2	34	3	2	34	2	2	34	2
45	34	3	44	34	3	43	34	3
2	35	0	2	35	0	2	35	0
46	35	1	45	35	1	44	35	0
2	35	2	2	35	1	2	35	1
47	35	2	46	35	2	45	35	2
2	35	3	2	35	3	2	35	3
48	36	0	47	36	0	46	36	0
2	36	1	2	36	1	2	36	0
49	36	2	48	36	1	47	36	1
2	36	2	2	36	2	2	36	2
50	36	3	49	36	3	48	36	3
2	37	0	2	37	0	2	36	3
51	37	0	50	37	0	49	37	0
2	37	1	2	37	1	2	37	1
52	37	2	51	37	2	50	37	2
2	37	3	2	37	3	2	37	2
53	37	3	52	37	3	51	37	3
2	38	0	2	38	0	2	38	0
54	38	1	53	38	1	52	38	1
			2	38	1	2	38	1
37 $\frac{1}{2}$ Sqr.			54	38	2	53	38	2
28	27	3				2	38	3
2	28	0	28 In. Sqr.			54	39	0
29	28	1				28 $\frac{1}{2}$ Sqr.		
2	28	2	2	28	1	29	28	3
30	28	3	29	28	2	2	29	0
2	29	0	2	28	3			

32	31	0	34	32	1	36	33	2
2	31	1	2	32	2	2	33	3
33	31	2	35	32	3	37	33	3
2	31	3	2	33	0	2	34	0
34	32	0	36	33	1	38	34	1
2	32	1	2	33	1	2	34	2
35	32	2	37	33	2	39	34	3
2	32	3	2	33	3	2	35	0
36	32	3	38	34	0	40	35	1
2	33	0	2	34	1	2	35	2
37	33	1	39	34	2	41	35	3
2	33	2	2	34	3	2	35	3
38	33	3	40	35	0	42	36	0
2	34	0	2	35	1	2	36	1
39	34	1	41	35	1	43	36	2
2	34	2	2	35	2	2	36	3
40	34	3	42	35	3	44	37	0
2	34	3	2	36	0	2	37	1
41	35	0	43	36	1	45	37	1
2	35	1	2	36	2	2	37	2
42	35	2	44	36	3	46	37	3
2	35	3	2	36	3	2	38	0
43	36	0	45	37	0	47	38	1
2	36	0	2	37	1	2	38	1
44	36	1	46	37	2	48	38	2
2	36	2	2	37	3	2	38	3
45	36	3	47	37	3	49	39	0
2	37	0	2	38	0	2	39	1
46	37	1	48	38	1	50	39	1
2	37	1	2	38	2	2	39	2
47	37	2	49	38	3	51	39	3
2	37	3	2	38	3	2	40	0
48	38	0	50	39	0	52	40	1
2	38	1	2	39	1	2	40	1
49	38	1	51	39	2	53	40	2
2	38	2	2	39	2	2	40	3
50	38	3	52	39	3	54	41	0
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51	39	0	53	40	1	31 $\frac{1}{2}$ Sqr.		
2	39	1	2	40	2	32	31	3
52	39	2	54	40	2	2	32	0
2	39	3	<hr/>			33	32	1
53	39	3	31 In. Sqr.			2	32	2
2	40	0	<hr/>			34	32	3
54	40	1	2	31	1	2	33	0
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30 $\frac{1}{2}$ Sqr.			2	31	3	2	33	2
31	30	3	33	32	0	36	33	3
2	31	0	2	32	1	2	34	0
32	31	1	34	32	2	37	34	1
2	31	2	2	32	3	2	34	1
33	31	3	35	33	0	38	34	2
2	32	0	2	33	1	2	34	3

39	35	0	42	36	3	46	38	3
2	35	1	2	37	0	2	38	3
40	35	2	43	37	0	47	39	0
2	35	3	2	37	1	2	39	1
41	36	0	44	37	2	48	39	2
2	36	1	2	37	3	2	39	3
42	36	1	45	38	0	49	40	0
2	36	2	2	38	1	2	40	0
43	36	3	46	38	1	50	40	1
2	37	0	2	38	2	2	40	2
44	37	1	47	38	3	51	40	3
2	37	2	2	39	0	2	41	0
45	37	3	48	39	1	52	41	0
2	37	3	2	39	2	2	41	1
46	38	0	49	39	2	53	41	2
2	38	1	2	39	3	2	41	3
47	38	2	50	40	0	54	42	0
2	38	3	2	40	0			
48	39	0	51	40	1	33 In. Sqr.		
2	39	0	2	40	2			
49	39	1	52	40	3	2	33	1
2	39	2	2	40	3	34	33	2
50	39	3	53	41	0	2	33	3
2	40	0	2	41	1	35	34	0
51	40	0	54	41	2	2	34	1
2	40	1				36	34	2
52	40	2	32 $\frac{1}{2}$ Sqr.			2	34	3
2	40	3	33	32	3	37	35	0
53	40	3	2	33	0	2	35	1
2	41	0	34	33	1	38	35	2
54	41	1	2	33	2	2	35	3
			35	33	3	39	35	3
32 In. Sqr.			2	34	0	2	36	0
2	32	1	36	34	1	40	36	1
33	32	2	2	34	2	2	36	2
2	32	3	37	34	3	41	36	3
34	33	0	2	35	0	2	37	0
2	33	1	38	35	1	42	37	1
35	33	2	2	35	2	2	37	2
2	33	3	39	35	2	43	37	3
36	34	0	2	35	3	2	38	0
2	34	1	40	36	0	44	38	0
37	34	2	2	36	1	2	38	1
2	34	3	41	36	2	45	38	2
38	34	3	2	36	3	2	38	2
2	35	1	42	37	0	46	38	3
39	35	2	2	37	1	2	39	0
2	35	3	43	37	2	47	39	1
40	35	3	2	37	2	2	39	2
2	36	0	44	37	3	48	39	3
41	36	1	2	38	0	2	39	3
2	36	2	45	38	1	49	40	0
			2	38	2	2	40	1

50	40	2	34 in Sqr.			40	37	1
1	40	3	2	34	1	2	37	2
51	40	3	35	34	2	41	37	2
2	41	0	2	34	3	2	37	3
52	41	1	36	35	0	42	38	0
2	41	1	2	35	1	2	38	1
53	41	2	37	35	2	43	38	2
2	41	3	2	35	2	2	38	3
54	42	0	38	35	3	44	39	0
33 $\frac{1}{2}$ Sqr.			2	36	0	2	39	1
34	33	3	39	36	1	45	39	2
2	34	0	2	36	2	2	39	2
35	34	1	40	36	3	46	39	3
2	34	2	2	37	0	2	40	0
36	34	3	41	37	1	47	40	1
2	35	0	2	37	2	2	40	2
37	35	1	42	37	3	48	40	3
2	35	2	2	38	0	2	41	0
38	35	3	43	38	0	49	41	0
2	36	0	2	38	1	2	41	1
39	36	1	44	38	2	50	41	2
2	36	2	2	38	3	2	41	3
40	36	3	45	39	0	51	42	0
41	37	0	2	39	1	2	42	1
2	37	1	46	39	2	52	42	1
42	37	2	2	39	3	2	42	2
2	37	3	47	40	0	53	42	3
43	38	0	2	40	1	2	43	0
2	38	1	48	40	2	54	43	1
44	38	2	2	40	2	35 in Sqr.		
2	38	2	49	40	3	2	35	1
45	38	3	2	41	0	36	35	2
2	39	0	50	41	1	2	35	3
46	39	1	2	41	2	37	36	0
2	39	2	51	41	3	2	36	1
47	39	3	2	41	3	38	36	2
2	40	0	52	42	0	2	36	3
48	40	0	2	42	1	39	37	0
2	40	1	53	42	2	2	37	1
49	40	2	2	42	3	40	37	2
2	40	3	54	42	3	2	37	3
50	41	0	34 $\frac{1}{2}$ Sqr.			41	37	0
2	41	1	35	34	3	2	38	0
51	41	1	2	35	0	42	38	1
2	41	2	36	35	1	2	38	2
52	41	3	2	35	2	43	38	3
2	42	0	37	35	3	2	39	0
53	42	1	2	36	0	44	39	1
2	42	1	38	36	1	2	39	2
54	42	2	2	36	2	45	39	3
			39	36	3	2	40	0
			2	37	0	46	40	0
						2	40	1

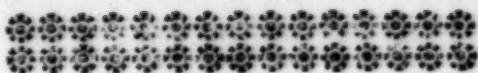
47	40	2	36 In. Sqr.			44	40	0
2	40	3	2	36	1	2	40	1
48	41	0	37	36	2	45	40	2
2	41	1	2	36	3	2	40	3
49	41	2	38	37	0	46	41	0
2	41	2	2	37	1	2	41	1
50	41	3	39	37	2	47	41	2
2	42	0	2	37	3	2	41	3
51	42	1	40	38	0	48	41	3
2	42	2	2	38	1	2	42	0
52	42	3	41	38	2	49	42	1
2	42	3	2	38	3	2	42	2
53	43	0	42	39	0	50	42	3
2	43	1	2	39	0	2	43	0
54	43	2	43	39	1	51	43	1
35 $\frac{1}{2}$ Sqr.			2	39	2	2	43	1
36	35	3	44	39	3	52	43	2
2	36	0	2	40	0	2	43	3
37	36	1	45	40	1	53	44	0
2	36	2	2	40	2	2	44	0
38	36	3	46	40	3	54	44	1
2	37	0	2	41	0	37 In. Sqr.		
39	37	1	47	41	1	2	37	1
2	37	2	2	41	1	38	37	2
40	37	3	48	41	2	2	37	3
2	38	0	2	41	3	39	38	0
41	38	1	49	42	0	2	38	1
2	38	2	2	42	1	40	38	2
42	38	2	50	42	2	2	38	3
2	38	3	2	42	3	41	39	0
43	39	0	51	42	3	2	39	1
2	39	1	2	43	0	42	39	2
44	39	2	52	43	1	2	39	3
2	39	3	2	43	2	43	40	0
45	40	0	53	43	3	2	40	0
2	40	1	2	44	0	44	40	1
46	40	2	54	44	0	2	40	2
2	40	2	36 $\frac{1}{2}$ Sqr.			45	40	3
47	40	3	37	36	3	2	41	0
2	41	0	2	37	0	46	41	1
48	41	1	38	37	1	2	41	2
2	41	2	2	37	2	47	41	3
49	41	3	39	37	3	2	42	0
2	42	0	2	38	0	48	42	1
50	42	1	40	38	1	2	42	1
2	42	1	2	38	2	49	42	2
51	42	2	41	38	3	2	42	3
2	42	3	2	39	0	50	43	0
52	43	0	42	39	1	2	43	1
2	43	1	2	39	2	51	43	2
53	43	1	43	39	2	2	43	3
2	43	2	2	39	3	52	43	3
54	43	3	2	39	3	2	44	0

53	44	1	45	41	1	39 In. Sqr.		
2	44	2	2	41	2	2	39	1
54	44	2	46	41	3	40	39	2
2	44	3	2	42	0	2	39	3
37 $\frac{1}{2}$ Sqr.			47	42	1	41	40	0
38	37	3	2	42	1	2	40	1
2	38	0	48	42	2	42	40	2
39	38	1	2	42	3	2	40	3
2	38	2	49	43	0	43	41	0
40	38	3	2	43	1	2	41	1
2	39	0	50	43	2	44	41	2
41	39	1	2	43	3	2	41	3
2	39	2	51	44	0	45	42	0
42	39	3	2	44	0	2	42	0
2	40	0	52	44	1	46	42	1
43	40	1	2	44	2	2	42	2
2	40	2	53	44	3	47	42	3
44	40	3	2	45	0	2	43	0
2	40	3	54	45	1	48	43	1
45	41	0	38 $\frac{1}{2}$ Sqr.			2	43	2
2	41	1	39	38	3	49	43	3
46	41	2	2	39	0	2	44	0
2	41	3	40	39	1	50	44	1
47	42	0	2	39	2	2	44	1
2	42	1	41	39	3	51	44	2
48	42	2	2	40	0	2	44	3
2	42	3	42	40	1	52	45	0
49	42	3	2	40	2	2	45	1
2	43	0	43	40	3	53	45	2
50	43	1	2	41	0	2	45	3
2	43	2	44	41	1	54	46	0
51	43	3	2	41	2	39 $\frac{1}{2}$ Sqr.		
2	44	0	45	41	3	40	39	3
52	44	1	2	41	2	2	40	0
2	44	1	46	42	0	41	40	1
53	44	2	2	42	1	2	40	2
2	44	3	47	42	2	42	40	3
54	45	0	2	42	3	2	41	0
38 In. Sqr.			48	43	0	43	41	1
2	38	1	2	43	1	2	41	2
39	38	2	49	43	2	44	41	3
2	38	3	2	43	3	2	42	0
40	39	0	50	43	3	45	42	1
2	39	1	2	44	0	2	42	2
41	39	2	51	44	1	46	42	3
2	39	3	2	44	2	2	42	3
42	40	0	52	44	3	47	43	0
2	40	1	2	45	0	2	43	1
43	40	2	53	45	1	48	43	2
2	40	3	2	45	2	2	43	3
44	41	0	54	45	2	49	44	0
2	41	0				2	44	1

50	44	2	47	43	2	46	43	3
2	44	3	2	43	3	2	44	0
51	45	0	48	44	0	47	44	1
2	45	0	2	44	1	2	44	2
52	45	1	49	44	2	48	44	3
2	45	2	2	44	3	2	44	3
53	45	3	50	45	0	49	45	0
2	45	0	2	45	1	2	45	1
54	45	1	51	45	2	50	45	2
			2	45	3	2	45	3
40 In. Sqr.			52	46	0	51	46	0
2	40	1	2	46	0	2	46	1
41	40	2	53	46	1	52	46	2
2	40	3	2	46	2	2	46	3
42	41	0	54	46	3	53	47	0
2	41	1				2	47	0
43	41	2	41 In. Sqr.			54	47	1
2	41	3	2	41	1	42 In. Sqr.		
44	42	0	42	41	2	2	42	1
2	42	1	2	41	3	2	42	2
45	42	2	43	42	0	43	42	3
2	42	3	2	42	1	2	42	3
46	43	0	44	42	2	44	43	0
2	43	1	2	42	3	2	43	1
47	43	1	45	43	0	45	43	2
2	43	2	2	43	1	2	43	3
48	43	3	46	43	2	46	44	0
2	44	0	2	43	3	2	44	1
49	44	1	47	44	0	47	44	2
2	44	2	2	44	1	2	44	3
50	44	3	48	44	1	48	45	0
2	45	0	2	44	2	2	45	1
51	45	1	49	44	3	49	45	1
2	45	2	2	45	0	2	45	2
52	45	2	50	45	1	50	45	3
2	45	3	2	45	2	2	46	0
53	46	0	51	45	3	51	46	1
2	46	1	2	46	0	2	46	2
54	46	2	52	46	1	52	46	3
			2	46	2	2	47	0
40 $\frac{1}{2}$ Sqr.			53	46	2	53	47	1
41	40	3	2	46	3	2	47	2
2	41	0	54	47	0	54	47	2
42	41	1	41 $\frac{1}{2}$ Sqr.			42 $\frac{1}{2}$ Sqr.		
2	41	2	42	41	3	43	42	3
43	41	3	2	42	0	2	43	0
2	42	0	43	42	1	44	43	1
44	42	1	2	42	2	2	43	2
2	42	2	44	42	3	45	43	3
45	42	3	2	43	0	2	44	0
2	43	0	45	43	1	46	44	1
46	43	1	2	43	2	2	44	2
2	43	2						

47	44	3	50	46	3	45 In. Sqr.		
2	45	0	2	46	3	2	45	1
48	45	1	51	47	0	46	45	2
2	45	2	2	47	1	2	45	3
49	45	2	52	47	2	47	46	0
2	45	3	2	47	3	2	46	1
50	45	0	53	48	0	48	46	2
2	46	1	2	48	1	2	46	3
51	46	2	54	48	2	49	47	0
2	46	3				2	47	1
52	47	0	44 In. Sqr.			50	47	2
2	47	1	2	44	1	2	47	3
53	47	2	45	44	2	51	48	0
2	47	3	2	44	3	2	48	1
54	48	0	46	45	0	52	48	1
43 In. Sqr.			2	45	1	2	48	2
2	43	1	47	45	2	53	48	3
44	43	2	2	45	3	2	49	0
2	43	3	48	46	0	54	49	1
45	44	0	2	46	1	45 $\frac{1}{2}$ Sqr.		
2	44	1	49	46	2	46	45	3
46	44	2	2	46	3	2	46	0
2	44	3	50	47	0	47	46	1
47	45	0	2	47	1	2	46	2
2	45	1	51	47	1	48	46	3
48	45	2	2	47	2	2	47	0
2	45	3	52	47	3	49	47	1
49	45	0	2	48	0	2	47	2
2	46	1	53	48	1	50	47	3
50	46	1	2	48	2	2	48	0
2	46	2	54	48	3	51	48	1
51	46	3	44 $\frac{1}{2}$ Sqr.			2	48	2
2	47	0	45	44	3	52	48	3
52	47	1	2	45	0	2	48	3
2	47	2	46	45	1	53	49	0
53	47	3	2	45	2	2	49	1
2	48	0	47	45	3	54	49	2
54	48	1	2	46	0	46 In. Sqr.		
43 $\frac{1}{2}$ Sqr.			48	46	1	2	46	1
44	43	3	2	46	2	47	46	2
2	44	0	49	46	3	2	46	3
45	44	1	2	47	0	48	47	0
2	44	2	50	47	1	2	47	1
46	44	3	2	47	2	49	47	2
2	45	0	51	47	3	2	47	3
47	45	1	2	47	3	50	48	0
2	45	2	52	48	0	2	48	1
48	45	3	2	48	1	51	48	2
2	46	0	53	48	2	2	48	3
49	46	1	2	48	3	52	49	0
2	46	2	54	49	0	2	49	0

53	49	1	49	48	2	53	51	2
2	49	2	2	48	3	2	51	3
54	49	3	50	49	0	54	52	0
46 $\frac{1}{2}$ Sqr.			2	49	1	50 $\frac{1}{2}$ Sqr.		
47	46	3	51	49	2	51	50	3
2	47	0	2	49	3	2	51	0
48	47	1	52	50	0	52	51	1
2	47	2	2	50	1	2	51	2
49	47	3	53	50	2	53	51	3
2	48	0	2	50	3	2	52	0
50	48	1	54	51	0	54	52	1
2	48	2	48 $\frac{1}{2}$ Sqr.			54 In. Sqr.		
51	48	3	49	48	3	2	51	1
2	49	0	2	49	0	52	51	2
52	49	1	50	49	1	2	51	3
2	49	2	2	49	2	53	52	0
53	49	3	51	49	3	2	52	1
2	49	3	2	50	0	54	52	2
54	50	0	52	50	1	51 $\frac{1}{2}$ Sqr.		
47 In. Sqr.			2	50	2	52	51	3
2	47	1	53	50	3	2	52	0
48	47	2	2	51	0	53	52	1
2	47	3	54	51	1	2	52	2
49	48	0	49 In. Sqr.			54	52	3
2	48	1	2	49	1	52 In. Sqr.		
50	48	2	50	49	2	2	52	1
2	48	3	2	49	3	53	52	2
51	49	0	51	50	0	2	52	3
2	49	1	2	50	1	54	53	0
52	49	2	52	50	2	52 $\frac{1}{2}$ Sqr.		
2	49	3	2	50	3	53	52	3
53	50	0	53	51	0	2	53	0
2	50	1	2	51	1	54	53	1
54	50	2	54	51	2	53 In. Sqr.		
47 $\frac{1}{2}$ Sqr.			49 $\frac{1}{2}$ Sqr.			2	53	1
48	47	3	50	49	3	54	53	2
2	48	0	2	50	0	53 $\frac{1}{2}$ Sqr.		
49	48	1	51	50	1	54	53	3
2	48	2	2	50	2	54 In. Sqr.		
50	48	3	52	50	3			
2	49	0	2	51	0			
51	49	1	53	51	1			
2	49	2	2	51	2			
52	49	3	54	51	3			
2	50	0	50 In. Sqr.					
53	50	1	2	50	1			
2	50	2	51	50	2			
54	50	3	2	50	3			
48 In. Sqr.			52	51	0			
2	48	1	2	51	1			



A N E W
T A B L E
 O F

Solid Measure,

Ready cast up;

Whereby the *Solid Content*, and consequently the *Value* of any Piece or Quantity of *Timber*, *Stone*, &c. may be found, AT SIGHT, from 2 *Inches* to 54 *Inches*, the *Side* of the *Square*, (or one *Fourth* of the *Girt*;) and from one *Quarter* of a *Foot* to 45 *Feet* the *Length*:

And therefore, by *Addition* only, may serve to any greater *Square* or *Length* if there should ever be Occasion.

✠ See this Table explained on Page xxv.



Ft. long	Side 2 Inches.			Ft. long	Side 2 $\frac{1}{4}$ Inch.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	0	4	1	0	0	5
2	0	0	8	2	0	0	10
3	0	1	0	3	0	1	3
4	0	1	4	4	0	1	8
5	0	1	8	5	0	2	1
6	0	2	0	6	0	2	6
7	0	2	4	7	0	2	11
8	0	2	8	8	0	3	4
9	0	3	0	9	0	3	9
10	0	3	4	10	0	4	2
11	0	3	8	11	0	4	7
12	0	4	0	12	0	5	0
13	0	4	4	13	0	5	5
14	0	4	8	14	0	5	10
15	0	5	0	15	0	6	3
16	0	5	4	16	0	6	9
17	0	5	8	17	0	7	2
18	0	6	0	18	0	7	7
19	0	6	4	19	0	8	0
20	0	6	8	20	0	8	5
21	0	7	0	21	0	8	10
22	0	7	4	22	0	9	3
23	0	7	8	23	0	9	8
24	0	8	0	24	0	10	1
25	0	8	4	25	0	10	6
26	0	8	8	26	0	10	11
27	0	9	0	27	0	11	4
28	0	9	4	28	0	11	9
29	0	9	8	29	1	0	2
30	0	10	0	30	1	0	7
31	0	10	4	31	1	1	0
32	0	10	8	32	1	1	6
33	0	11	0	33	1	1	11
34	0	11	4	34	1	2	4
35	0	11	8	35	1	2	9
36	1	0	0	36	1	3	2
37	1	0	4	37	1	3	7
38	1	0	8	38	1	4	0
39	1	1	0	39	1	4	5
40	1	1	4	40	1	4	10
41	1	1	8	41	1	5	3
42	1	2	0	42	1	5	8
43	1	2	4	43	1	6	1
44	1	2	8	44	1	6	6
45	1	3	0	45	1	6	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	1 0	$\frac{1}{4}$	0	0	1 3
$\frac{1}{2}$	0	0	2 0	$\frac{1}{2}$	0	0	2 6
$\frac{3}{4}$	0	0	3 0	$\frac{3}{4}$	0	0	3 9

Ft. long	Side $2\frac{1}{2}$			Ft. long	Side $2\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	0	6	1	0	0	7
2	0	1	0	2	0	1	3
3	0	1	6	3	0	1	10
4	0	2	1	4	0	2	6
5	0	2	7	5	0	3	1
6	0	3	1	6	0	3	9
7	0	3	7	7	0	4	4
8	0	4	2	8	0	5	0
9	0	4	8	9	0	5	8
10	0	5	2	10	0	6	3
11	0	5	8	11	0	6	11
12	0	6	3	12	0	7	6
13	0	6	9	13	0	8	2
14	0	7	3	14	0	8	9
15	0	7	9	15	0	9	5
16	0	8	4	16	0	10	1
17	0	8	10	17	0	10	8
18	0	9	4	18	0	11	4
19	0	9	10	19	0	11	11
20	0	10	5	20	1	0	7
21	0	10	11	21	1	1	2
22	0	11	5	22	1	1	10
23	0	11	11	23	1	2	5
24	1	0	6	24	1	3	1
25	1	1	0	25	1	3	9
26	1	1	6	26	1	4	4
27	1	2	0	27	1	5	0
28	1	2	7	28	1	5	7
29	1	3	1	29	1	6	3
30	1	3	7	30	1	6	10
31	1	4	1	31	1	7	6
32	1	4	8	32	1	8	2
33	1	5	2	33	1	8	9
34	1	5	8	34	1	9	5
35	1	6	2	35	1	10	0
36	1	6	9	36	1	10	8
37	1	7	3	37	1	11	3
38	1	7	9	38	1	11	4
39	1	8	3	39	2	0	6
40	1	8	10	40	2	1	2
41	1	9	4	41	2	1	10
42	1	9	10	42	2	2	5
43	1	10	4	43	2	3	1
44	1	10	11	44	2	3	8
45	1	11	5	45	2	4	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	1 6	$\frac{1}{4}$	0	0	1 9
$\frac{1}{2}$	0	0	3 0	$\frac{1}{2}$	0	0	3 6
$\frac{3}{4}$	0	0	4 6	$\frac{3}{4}$	0	0	5 3

Ft. long	Side 3 Inches.			Ft. long	Side 3 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	0	9	1	0	0	10
2	0	1	6	2	0	1	9
3	0	2	3	3	0	2	7
4	0	3	0	4	0	3	6
5	0	3	9	5	0	4	4
6	0	4	6	6	0	5	3
7	0	5	3	7	0	6	1
8	0	6	0	8	0	7	0
9	0	6	9	9	0	7	11
10	0	7	6	10	0	8	9
11	0	8	3	11	0	9	8
12	0	9	0	12	0	10	6
13	0	9	9	13	0	11	5
14	0	10	6	14	1	0	3
15	0	11	3	15	1	1	2
16	1	0	0	16	1	2	1
17	1	0	9	17	1	2	11
18	1	1	6	18	1	3	10
19	1	2	3	19	1	4	8
20	1	3	0	20	1	5	7
21	1	3	9	21	1	6	5
22	1	4	6	22	1	7	4
23	1	5	3	23	1	8	2
24	1	6	0	24	1	9	1
25	1	6	9	25	1	10	0
26	1	7	6	26	1	10	10
27	1	8	3	27	1	11	9
28	1	9	0	28	2	0	7
29	1	9	9	29	2	1	6
30	1	10	6	30	2	2	4
31	1	11	3	31	2	3	3
32	2	0	0	32	2	4	2
33	2	0	9	33	2	5	0
34	2	1	6	34	2	5	11
35	2	2	3	35	2	6	9
36	2	3	0	36	2	7	8
37	2	3	9	37	2	8	6
38	2	4	6	38	2	9	5
39	2	5	3	39	2	10	3
40	2	6	0	40	2	11	2
41	2	6	9	41	3	0	1
42	2	7	6	42	3	0	11
43	2	8	3	43	3	1	10
44	2	9	0	44	3	2	8
45	2	9	9	45	3	3	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	2 3	$\frac{1}{4}$	0	0	2 6
$\frac{1}{2}$	0	0	4 6	$\frac{1}{2}$	0	0	5 0
$\frac{3}{4}$	0	0	6 9	$\frac{3}{4}$	0	0	7 6

Ft. long.	Side 3 $\frac{1}{2}$			Ft. long.	Side 3 $\frac{3}{4}$				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	1	0	1	0	1	2		
2	0	2	0	2	0	2	4		
3	0	3	0	3	0	3	6		
4	0	4	1	4	0	4	8		
5	0	5	1	5	0	5	10		
6	0	6	1	6	0	7	0		
7	0	7	1	7	0	8	2		
8	0	8	2	8	0	9	4		
9	0	9	2	9	0	10	6		
10	0	10	2	10	0	11	8		
11	0	11	2	11	1	0	10		
12	1	0	3	12	1	2	0		
13	1	1	3	13	1	3	2		
14	1	2	3	14	1	4	4		
15	1	3	3	15	1	5	6		
16	1	4	4	16	1	6	9		
17	1	5	4	17	1	7	11		
18	1	6	4	18	1	9	1		
19	1	7	4	19	1	10	3		
20	1	8	5	20	1	11	5		
21	1	9	5	21	2	0	7		
22	1	10	5	22	2	1	9		
23	1	11	5	33	2	2	11		
24	2	0	6	24	2	4	1		
25	2	1	6	25	2	5	3		
26	2	2	6	26	2	6	5		
27	2	3	6	27	2	7	7		
28	2	4	7	28	2	8	9		
29	2	5	7	29	2	9	11		
30	2	6	7	30	2	11	1		
31	2	7	7	31	3	0	3		
32	2	8	8	32	3	1	6		
33	2	9	8	33	3	2	8		
34	2	10	8	34	3	3	10		
35	2	11	8	35	3	5	0		
37	3	0	9	36	3	6	2		
36	3	1	9	37	3	7	4		
38	3	2	9	38	3	8	6		
39	3	3	9	39	3	9	8		
40	3	4	10	40	3	10	10		
41	3	5	10	41	4	0	0		
42	3	6	10	42	4	1	2		
43	3	7	10	43	4	2	4		
44	3	8	11	44	4	3	6		
45	3	9	11	45	4	4	8		
Quarters of a Foot.				Quarters of a Foot.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	0	3	0	$\frac{1}{4}$	0	0	3	6
$\frac{1}{2}$	0	0	6	0	$\frac{1}{2}$	0	0	7	0
$\frac{3}{4}$	0	0	9	0	$\frac{3}{4}$	0	0	10	6

Ft. long	Side 4 Inches.			Ft. long	Side 4 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	1	4	1	0	1	6
2	0	2	8	2	0	3	0
3	0	4	0	3	0	4	6
4	0	5	4	4	0	6	0
5	0	6	8	5	0	7	6
6	0	8	0	6	0	9	0
7	0	9	4	7	0	10	6
8	0	10	8	8	1	0	0
9	1	0	0	9	1	1	6
10	1	1	4	10	1	3	0
11	1	2	8	11	1	4	6
12	1	4	0	12	1	6	0
13	1	5	4	13	1	7	6
14	1	6	8	14	1	9	0
15	1	8	0	15	1	10	6
16	1	9	4	16	2	0	1
17	1	10	8	17	2	1	7
18	2	0	0	18	2	3	1
19	2	1	4	19	2	4	7
20	2	2	8	20	2	6	1
21	2	4	0	21	2	7	7
22	2	5	4	22	2	9	1
23	2	6	8	23	2	10	7
24	2	8	0	24	3	0	1
25	2	9	4	25	3	1	7
26	2	10	8	26	3	3	1
27	3	0	0	27	3	4	7
28	3	1	4	28	3	6	1
29	3	2	8	29	3	7	7
30	3	4	0	30	3	9	1
31	3	5	4	31	3	10	7
32	3	6	8	32	4	0	2
33	3	8	0	33	4	1	8
34	3	9	4	34	4	3	2
35	3	10	8	35	4	4	8
36	4	0	0	36	4	6	2
37	4	1	4	37	4	7	8
38	4	2	8	38	4	9	2
39	4	4	0	39	4	10	8
40	4	5	4	40	5	0	2
41	4	6	8	41	5	1	8
42	4	8	0	42	5	3	2
43	4	9	4	43	5	4	8
44	4	10	8	44	5	6	2
45	5	0	0	45	5	7	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$ inch	0	0	4 0	$\frac{1}{4}$ inch	0	0	4 6
	0	0	8 0		0	0	9 0
	0	1	0 0		0	1	1 6

Ft. long	Side 4 $\frac{1}{2}$			Ft. long	Side 4 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	1	8	1	0	1	10
2	0	3	4	2	0	3	9
3	0	5	0	3	0	5	7
4	0	6	9	4	0	7	6
5	0	8	5	5	0	9	4
6	0	10	1	6	0	11	3
7	0	11	9	7	1	1	1
8	1	1	6	8	1	3	0
9	1	2	2	9	1	4	11
10	1	4	10	10	1	6	9
11	1	6	6	11	1	8	8
12	1	8	3	12	1	10	6
13	1	9	11	13	2	0	5
14	1	11	7	14	2	2	3
15	2	1	3	15	2	4	2
16	2	3	0	16	2	6	1
17	2	4	8	17	2	7	11
18	2	6	4	18	2	9	10
19	2	8	0	19	2	11	8
20	2	9	9	20	3	1	7
21	2	11	5	21	3	3	5
22	3	1	1	22	3	5	4
23	3	2	9	23	3	7	2
24	3	4	6	24	3	9	1
25	3	6	2	25	3	11	0
26	3	7	10	26	4	0	10
27	3	9	6	27	4	2	9
28	3	11	3	28	4	4	7
29	4	0	11	29	4	6	6
30	4	2	7	30	4	8	4
31	4	4	3	31	4	10	3
32	4	6	0	32	5	0	2
33	4	7	8	33	5	2	0
34	4	9	4	34	5	3	11
35	4	11	0	35	5	5	9
36	5	0	9	36	5	7	8
37	5	2	5	37	5	9	6
38	5	4	1	38	5	11	5
39	5	5	9	39	6	1	3
40	5	7	6	40	6	3	2
41	5	9	2	41	6	5	1
42	5	10	10	42	6	6	11
43	6	0	6	43	6	8	10
44	6	2	3	44	6	10	8
45	6	3	11	45	7	0	7

Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
Inches	0	0	5 0	Inches	0	0	5 6
	0	0	10 0		0	0	11 0
	0	1	3 0		0	1	4 6

Ft. long	Side 5 Inches.			Ft. long	Side 5 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	2	1	1	0	2	3
2	0	4	2	2	0	4	7
3	0	6	3	3	0	6	10
4	0	8	4	4	0	9	2
5	0	10	5	5	0	11	5
6	1	0	6	6	1	1	9
7	1	2	7	7	1	4	0
8	1	4	8	8	1	6	4
9	1	6	9	9	1	8	8
10	1	8	10	10	1	10	11
11	1	10	11	11	2	1	3
12	2	1	0	12	2	3	6
13	2	3	1	13	2	5	10
14	2	5	2	14	2	8	1
15	2	7	3	15	2	10	5
16	2	9	4	16	3	0	9
17	2	11	5	17	3	3	0
18	3	1	6	18	3	5	4
19	3	3	7	19	3	7	7
20	3	5	8	20	3	9	11
21	3	7	9	21	4	0	2
22	3	9	10	22	4	2	6
23	3	11	11	23	4	4	9
24	4	2	0	24	4	7	1
25	4	4	1	25	4	9	5
26	4	6	2	26	4	11	8
27	4	8	3	27	5	2	0
28	4	10	4	28	5	4	3
29	5	0	5	29	5	6	7
30	5	2	6	30	5	8	10
31	5	4	7	31	5	11	2
32	5	6	8	32	6	1	6
33	5	8	9	33	6	3	9
34	5	10	10	34	6	6	1
35	6	0	11	35	6	8	4
36	6	3	0	36	6	10	8
37	6	5	1	37	7	0	11
38	6	7	2	38	7	3	3
39	6	9	3	39	7	5	6
40	6	11	4	40	7	7	10
41	7	1	5	41	7	10	2
42	7	3	6	42	8	0	5
43	7	5	7	43	8	2	9
44	7	7	8	44	8	5	0
45	7	9	9	45	8	7	4

Quarters of a Foot.				Quarters of a Foot.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	0	6	3	$\frac{1}{4}$	0	0	6	9
$\frac{1}{2}$	0	1	0	6	$\frac{1}{2}$	0	1	1	6
$\frac{3}{4}$	0	1	6	9	$\frac{3}{4}$	0	1	8	3

Ft. long	Side 5 $\frac{1}{2}$			Ft. long	Side 5 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	2	6	1	0	2	9
2	0	5	0	2	0	5	6
3	0	7	6	3	0	8	3
4	0	10	1	4	0	11	0
5	1	0	7	5	1	1	9
6	1	3	1	6	1	4	6
7	1	5	7	7	1	7	3
8	1	8	2	8	1	10	0
9	1	10	8	9	2	0	9
10	2	1	2	10	2	3	6
11	2	3	8	11	2	6	3
12	2	6	3	12	2	9	0
13	2	8	9	13	2	11	9
14	2	11	3	14	3	2	6
15	3	1	9	15	3	5	3
16	3	4	4	16	3	8	1
17	3	6	10	17	3	10	10
18	3	9	4	18	4	1	7
19	3	11	10	19	4	4	4
20	4	2	5	20	4	7	1
21	4	4	11	21	4	9	10
22	4	7	5	22	5	0	7
23	4	9	11	23	5	3	4
24	5	0	6	24	5	6	1
25	5	3	0	25	5	8	10
26	5	5	6	26	5	11	7
27	5	8	0	27	6	2	4
28	5	10	6	28	6	5	1
29	6	1	1	29	6	7	10
30	6	3	7	30	6	10	7
31	6	6	1	31	7	1	4
32	6	8	8	32	7	4	2
33	6	11	2	33	7	6	11
34	7	1	8	34	7	9	8
35	7	4	2	35	8	0	5
36	7	6	9	36	8	3	2
37	7	9	3	37	8	5	11
38	7	11	9	38	8	8	8
39	8	2	3	39	8	11	5
40	8	4	10	40	9	2	2
41	8	7	4	41	9	4	11
42	8	9	10	42	9	7	8
43	9	0	4	43	9	10	5
44	9	2	11	44	10	1	2
45	9	5	5	45	10	3	11

Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	7 6	$\frac{1}{4}$	0	0	8 3
$\frac{1}{2}$	0	1	3 0	$\frac{1}{2}$	0	1	4 6
$\frac{3}{4}$	0	1	10 6	$\frac{3}{4}$	0	2	0 9

Ft. long	Side 6 Inches.			Ft. long	Side 6 $\frac{1}{4}$ Inch.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	3	0	1	0	3	3
2	0	6	0	2	0	6	6
3	0	9	0	3	0	9	9
4	1	0	0	4	1	1	0
5	1	3	0	5	1	4	3
6	1	6	0	6	1	7	6
7	1	9	0	7	1	10	9
8	2	0	0	8	2	2	0
9	2	3	0	9	2	5	3
10	2	6	0	10	2	8	6
11	2	9	0	11	2	11	9
12	3	0	0	12	3	3	0
13	3	3	0	13	3	6	3
14	3	6	0	14	3	9	6
15	3	9	0	15	4	0	9
16	4	0	0	16	4	4	1
17	4	3	0	17	4	7	4
18	4	6	0	18	4	10	7
19	4	9	0	19	5	1	10
20	5	0	0	20	5	5	1
21	5	3	0	21	5	8	4
22	5	6	0	22	5	11	7
23	5	9	0	23	6	2	10
24	6	0	0	24	6	6	1
25	6	3	0	25	6	9	4
26	6	6	0	26	7	0	7
27	6	9	0	27	7	3	10
28	7	0	0	28	7	7	1
29	7	3	0	29	7	10	4
30	7	6	0	30	8	1	7
31	7	9	0	31	8	4	10
32	8	0	0	32	8	8	2
33	8	3	0	33	8	11	5
34	8	6	0	34	9	2	8
35	8	9	0	35	9	5	11
36	9	0	0	36	9	9	2
37	9	3	0	37	10	0	5
38	9	6	0	38	10	3	8
39	9	9	0	39	10	6	11
40	10	0	0	40	10	10	2
41	10	3	0	41	11	1	5
42	10	6	0	42	11	4	8
43	10	9	0	43	11	7	11
44	11	0	0	44	11	11	2
45	11	3	0	45	12	2	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	9 0	$\frac{1}{4}$	0	0	9 6
$\frac{1}{2}$	0	1	6 0	$\frac{1}{2}$	0	1	7 9
$\frac{3}{4}$	0	2	3 0	$\frac{3}{4}$	0	2	5 3

Ft. long	Side 6 $\frac{1}{2}$			Ft. long	Side 6 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	3	6	1	0	3	9
2	0	7	0	2	0	7	7
3	0	10	6	3	0	11	4
4	1	2	1	4	1	3	2
5	1	5	7	5	1	6	11
6	1	9	1	6	1	10	9
7	2	0	7	7	2	2	6
8	2	4	2	8	2	6	4
9	2	7	8	9	2	10	2
10	2	11	2	10	3	1	11
11	3	2	8	11	3	5	9
12	3	6	3	12	3	9	6
13	3	9	9	13	4	1	4
14	4	1	3	14	4	5	1
15	4	4	9	15	4	8	11
16	4	8	4	16	5	0	9
17	4	11	10	17	5	4	6
18	5	3	4	18	5	8	4
19	5	6	10	19	6	0	1
20	5	10	5	20	6	3	11
21	6	1	11	21	6	7	8
22	6	5	5	22	6	11	6
23	6	8	11	23	7	3	3
24	7	0	6	24	7	7	1
25	7	4	0	25	7	10	11
26	7	7	6	26	8	2	8
27	7	11	0	27	8	6	6
28	8	2	7	28	8	10	3
29	8	6	1	29	9	2	1
30	8	9	7	30	9	5	10
31	9	1	1	31	9	9	8
32	9	4	8	32	10	1	6
33	9	8	2	33	10	5	5
34	9	11	8	34	10	9	1
35	10	3	2	35	11	0	10
36	10	6	9	36	11	4	8
37	10	10	3	37	11	8	5
38	11	1	9	38	12	0	3
39	11	5	3	39	12	4	0
40	11	8	10	40	12	7	10
41	12	0	4	41	12	11	8
42	12	3	10	42	13	3	5
43	12	7	4	43	13	7	3
44	12	10	11	44	13	11	0
45	13	2	5	45	14	2	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	10 6	$\frac{1}{4}$	0	0	11 3
$\frac{1}{2}$	0	1	9 0	$\frac{1}{2}$	0	1	10 6
$\frac{3}{4}$	0	2	7 6	$\frac{3}{4}$	0	2	9 0

Ft. long	Side 7 Inches.			Ft. long	Side 7 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	4	1	1	0	4	4
2	0	8	2	2	0	8	9
3	1	0	3	3	1	1	1
4	1	4	4	4	1	5	6
5	1	8	5	5	1	9	10
6	2	0	6	6	2	2	3
7	2	4	7	7	2	6	7
8	2	8	8	8	2	11	0
9	3	0	9	9	3	3	5
10	3	4	10	10	3	7	9
11	3	8	11	11	4	0	2
12	4	1	0	12	4	4	6
13	4	5	1	13	4	8	11
14	4	9	2	14	5	1	3
15	5	1	3	15	5	5	8
16	5	5	4	16	5	10	1
17	5	9	5	17	6	2	5
18	6	1	6	18	6	6	10
19	6	5	7	19	6	11	2
20	6	9	8	20	7	3	7
21	7	1	9	21	7	7	11
22	7	5	10	22	8	0	4
23	7	9	11	23	8	4	8
24	8	2	0	24	8	9	1
25	8	6	1	25	9	1	6
26	8	10	2	26	9	5	10
27	9	2	3	27	9	10	3
28	9	6	4	28	10	2	7
29	9	10	5	29	10	7	0
30	10	2	6	30	10	11	4
31	10	6	7	31	11	3	9
32	10	10	8	32	11	8	2
33	11	2	9	33	12	0	6
34	11	6	10	34	12	4	11
35	11	10	11	35	12	9	3
36	12	3	0	36	13	1	8
37	12	7	1	37	13	6	0
38	12	11	2	38	13	10	5
39	13	3	3	39	14	2	9
40	13	7	4	40	14	7	2
41	13	11	5	41	14	11	7
42	14	3	6	42	15	3	11
43	14	7	7	43	15	8	4
44	14	11	8	44	16	0	8
45	15	3	9	45	16	5	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	1	0 3	$\frac{1}{4}$	0	1	1 0
$\frac{2}{4}$	0	2	0 6	$\frac{2}{4}$	0	2	2 0
$\frac{3}{4}$	0	3	0 9	$\frac{3}{4}$	0	3	3 0

Ft. long	Side 7 $\frac{1}{2}$			Ft. long	Side 7 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	4	8	1	0	5	0
2	0	9	4	2	0	10	0
3	1	2	0	3	1	3	0
4	1	6	9	4	1	8	0
5	1	11	5	5	2	1	0
6	2	4	1	6	2	6	0
7	2	8	9	7	2	11	0
8	3	1	6	8	3	4	0
9	3	6	2	9	3	9	0
10	3	10	10	10	4	2	0
11	4	3	6	11	4	7	0
12	4	8	3	12	5	0	9
13	5	0	11	13	5	5	0
14	5	5	7	14	5	10	0
15	5	10	3	15	6	3	0
16	6	3	0	16	6	8	1
17	6	7	8	17	7	1	1
18	7	0	4	18	7	6	1
19	7	5	0	19	7	11	1
20	7	9	9	20	8	4	1
21	8	2	5	21	8	9	1
22	8	7	1	22	9	2	1
23	8	11	9	33	9	7	1
24	9	4	6	24	10	0	1
25	9	9	2	25	10	5	1
26	10	1	10	26	10	10	1
27	10	6	6	27	11	3	1
28	10	11	3	28	11	8	1
29	11	3	11	29	12	1	1
30	11	8	7	30	12	6	1
31	12	1	3	31	12	11	1
32	12	6	0	32	13	4	2
33	12	10	8	33	13	9	2
34	13	3	4	34	14	2	2
35	13	8	0	35	14	7	2
36	14	0	9	36	15	0	2
37	14	5	5	37	15	5	2
38	14	10	1	38	15	10	2
39	15	2	9	39	16	3	2
40	15	7	6	40	16	8	2
41	16	0	2	41	17	1	2
42	16	4	10	42	17	6	2
43	16	9	6	43	17	11	2
44	17	2	3	44	18	4	2
45	17	6	11	45	18	9	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	1	2 0	$\frac{1}{4}$	0	1	3 0
$\frac{2}{4}$	0	2	4 0	$\frac{2}{4}$	0	2	6 0
$\frac{3}{4}$	0	3	6 0	$\frac{3}{4}$	0	3	9 0

Ft. long	Side 8 Inches.			Ft. long	Side 8 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	5	4	1	0	5	8
2	0	10	8	2	0	11	4
3	1	4	0	3	1	5	0
4	1	9	4	4	1	10	8
5	2	2	8	5	2	4	4
6	2	8	0	6	2	10	0
7	3	1	4	7	3	3	8
8	3	6	8	8	3	9	4
9	4	0	0	9	4	3	0
10	4	5	4	10	4	8	8
11	4	10	8	11	5	2	4
12	5	4	0	12	5	8	0
13	5	9	4	13	6	1	8
14	6	2	8	14	6	7	4
15	6	8	0	15	7	1	0
16	7	1	4	16	7	6	9
17	7	6	8	17	8	0	5
18	8	0	0	18	8	6	1
19	8	5	4	19	8	11	9
20	8	10	8	20	9	5	5
21	9	4	0	21	9	11	1
22	9	9	4	22	10	4	9
23	10	2	8	23	10	10	5
24	10	8	0	24	11	4	1
25	11	1	4	25	11	9	9
26	11	6	8	26	12	3	5
27	12	0	0	27	12	9	1
28	12	5	4	28	13	2	9
29	12	10	8	29	13	8	5
30	13	4	0	30	14	2	1
31	13	9	4	31	14	7	9
32	14	2	8	32	15	1	6
33	14	8	0	33	15	7	2
34	15	1	4	34	16	0	10
35	15	6	8	35	16	6	6
36	16	0	0	36	17	0	2
37	16	5	4	37	17	5	10
38	16	10	8	38	17	11	6
39	17	4	0	39	18	5	2
40	17	9	4	40	18	10	10
41	18	2	8	41	19	4	6
42	18	8	0	42	19	10	2
43	19	1	4	43	20	3	10
44	19	6	8	44	20	9	6
45	20	0	0	45	21	3	2

Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	1	4	0	0	1	5
$\frac{1}{2}$	0	2	8	0	0	2	10
$\frac{3}{4}$	0	4	0	0	0	4	3

Ft. long	Side 8 $\frac{1}{2}$			Ft. long	Side 8 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	6	0	1	0	6	4
2	1	0	0	2	1	0	9
3	1	6	0	3	1	7	1
4	2	0	1	4	2	1	6
5	2	6	1	5	2	7	10
6	3	0	1	6	3	2	3
7	3	6	1	7	3	8	7
8	4	0	2	8	4	3	0
9	4	6	2	9	4	9	5
10	5	0	2	10	5	3	9
11	5	6	2	11	5	10	2
12	6	0	3	12	6	4	6
13	6	6	3	13	6	10	11
14	7	0	3	14	7	5	3
15	7	6	3	15	7	11	8
16	8	0	4	16	8	6	1
17	8	6	4	17	9	0	5
18	9	0	4	18	9	6	10
19	9	6	4	19	10	1	2
20	10	0	5	20	10	7	7
21	10	6	5	21	11	1	11
22	11	0	5	22	11	8	4
23	11	6	5	23	12	2	8
24	12	0	6	24	12	9	1
25	12	6	6	25	13	3	6
26	13	0	6	26	13	9	10
27	13	6	6	27	14	4	3
28	14	0	7	28	14	10	7
29	14	6	7	29	15	5	0
30	15	0	7	30	15	11	4
31	15	6	7	31	16	5	9
32	16	0	8	32	17	0	2
33	16	6	8	33	17	6	6
34	17	0	8	34	18	0	11
35	17	6	8	35	18	7	3
36	18	0	9	36	19	1	8
37	18	6	9	37	19	8	0
38	19	0	9	38	20	2	5
39	19	6	9	39	20	8	9
40	20	0	10	40	21	3	2
41	20	6	10	41	21	9	7
42	21	0	10	42	22	3	11
43	21	6	10	43	22	10	4
44	22	0	11	44	23	4	8
45	22	6	11	45	23	11	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	1	6 0	$\frac{1}{4}$	0	1	7 0
$\frac{1}{2}$	0	3	0 0	$\frac{1}{2}$	0	3	2 0
$\frac{3}{4}$	0	4	6 0	$\frac{3}{4}$	0	4	9 0

Ft. long	Side 9 Inches.			Ft. long	Side 9 $\frac{1}{4}$ Inch.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	6	9	1	0	7	1
2	1	1	6	2	1	2	3
3	1	8	3	3	1	9	4
4	2	3	0	4	2	4	6
5	2	9	9	5	2	11	7
6	3	4	6	6	3	6	9
7	3	11	3	7	4	1	10
8	4	6	0	8	4	9	0
9	5	0	9	9	5	4	2
10	5	7	6	10	5	11	3
11	6	2	3	11	6	6	5
12	6	9	0	12	7	1	6
13	7	3	9	13	7	8	8
14	7	10	6	14	8	3	9
15	8	5	3	15	8	10	11
16	9	0	0	16	9	6	1
17	9	6	9	17	10	1	2
18	10	1	6	18	10	8	4
19	10	8	3	19	11	3	5
20	11	3	0	20	11	10	7
21	11	9	9	21	12	5	8
22	12	4	6	22	13	0	10
23	12	11	3	23	13	7	11
24	13	6	0	24	14	3	1
25	14	0	9	25	14	10	3
26	14	7	6	26	15	5	4
27	15	2	3	27	16	0	6
28	15	9	0	28	16	7	7
29	16	3	9	29	17	2	9
30	16	10	6	30	17	9	10
31	17	5	3	31	18	5	0
32	18	0	0	32	19	0	2
33	18	6	9	33	19	7	3
34	19	1	6	34	20	2	5
35	19	8	3	35	20	9	6
36	20	3	0	36	21	4	8
37	20	9	9	37	21	11	9
38	21	4	6	38	22	6	11
39	21	11	3	39	23	2	0
40	22	6	0	40	23	9	2
41	23	0	9	41	24	4	4
42	23	7	6	42	24	11	5
43	24	2	3	43	25	6	7
44	24	9	0	44	26	1	8
45	25	3	9	45	26	8	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	1	8 3	$\frac{1}{4}$	0	1	9 3
$\frac{1}{2}$	0	3	4 6	$\frac{1}{2}$	0	3	6 6
$\frac{3}{4}$	0	5	0 9	$\frac{3}{4}$	0	5	3 9

Ft. long	Side 9 $\frac{1}{2}$			Ft. long	Side 9 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	7	6	1	0	7	11
2	1	3	0	2	1	3	10
3	1	10	6	3	1	11	9
4	2	6	1	4	2	7	8
5	3	1	7	5	3	3	7
6	3	9	1	6	3	11	6
7	4	4	7	7	4	7	5
8	5	0	2	8	5	3	4
9	5	7	8	9	5	11	3
10	6	3	2	10	6	7	2
11	6	10	8	11	7	3	1
12	7	6	3	12	7	11	0
13	8	1	9	13	8	6	11
14	8	9	3	14	9	2	10
15	9	4	9	15	9	10	9
16	10	0	4	16	10	6	9
17	10	7	10	17	11	2	8
18	11	3	4	18	11	10	7
19	11	10	10	19	12	6	6
20	12	6	5	20	13	2	5
21	13	1	11	21	13	10	4
22	13	9	5	22	14	6	3
23	14	4	11	23	15	2	2
24	15	0	6	24	15	10	1
25	15	8	0	25	16	6	0
26	16	3	6	26	17	1	11
27	16	11	0	27	17	9	10
28	17	6	7	28	18	5	9
29	18	2	1	29	19	1	8
30	18	9	7	30	19	9	7
31	19	5	1	31	20	5	6
32	20	0	8	32	21	1	6
33	20	8	2	33	21	9	5
34	21	3	8	34	22	5	4
35	21	11	2	35	23	1	3
36	22	6	9	36	23	9	2
37	23	2	3	37	24	5	1
38	23	9	9	38	25	1	0
39	24	5	3	39	25	8	11
40	25	0	10	40	26	4	10
41	25	8	4	41	27	0	9
42	26	3	10	42	27	8	8
43	26	11	4	43	28	4	7
44	27	6	11	44	29	0	6
45	28	2	5	45	29	8	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	1	10 6	$\frac{1}{4}$	0	1	11 9
$\frac{1}{2}$	0	3	9 0	$\frac{1}{2}$	0	3	11 6
$\frac{3}{4}$	0	5	7 6	$\frac{3}{4}$	0	5	11 3

Ft. long	Side 10 Inch.			Ft. long	Side 10 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	8	4	1	0	8	9
2	1	4	8	2	1	5	6
3	2	1	0	3	2	2	3
4	2	9	4	4	2	11	0
5	3	5	8	5	3	7	9
6	4	2	0	6	4	4	6
7	4	10	4	7	5	1	3
8	5	6	8	8	5	10	0
9	6	3	0	9	6	6	9
10	6	11	4	10	7	3	6
11	7	7	8	11	8	0	3
12	8	4	0	12	8	9	0
13	9	0	4	13	9	5	9
14	9	8	8	14	10	2	6
15	10	5	0	15	10	11	3
16	11	1	4	16	11	8	1
17	11	9	8	17	12	4	10
18	12	6	0	18	13	1	7
19	13	2	4	19	13	10	4
20	13	10	8	20	14	7	1
21	14	7	0	21	15	3	10
22	15	3	4	22	16	0	7
23	15	11	8	23	16	9	4
24	16	8	0	24	17	6	1
25	17	4	4	25	18	2	10
26	18	0	8	26	18	11	7
27	18	9	0	27	19	8	4
28	19	5	4	28	20	5	1
29	20	1	8	29	21	1	10
30	20	10	0	30	21	10	7
31	21	6	4	31	22	7	4
32	22	2	8	32	23	4	2
33	22	11	0	33	24	0	11
34	23	7	4	34	24	9	8
35	24	3	8	35	25	6	5
36	25	0	0	36	26	3	2
37	25	8	4	37	26	11	11
38	26	4	8	38	27	8	8
39	27	1	0	39	28	5	5
40	27	9	4	40	29	2	2
41	28	5	8	41	29	10	11
42	29	2	0	42	30	7	8
43	29	10	4	43	31	4	5
44	30	6	8	44	32	1	2
45	31	3	0	45	32	9	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	2	1 0	$\frac{1}{4}$	0	2	2 3
$\frac{1}{2}$	0	4	2 0	$\frac{1}{2}$	0	4	4 6
$\frac{3}{4}$	0	6	3 0	$\frac{3}{4}$	0	6	6 9

Ft. long	Side $10\frac{1}{2}$			Ft. long	Side $10\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	9	2	1	0	9	7
2	1	6	4	2	1	7	3
3	2	3	6	3	2	4	10
4	3	0	9	4	3	2	6
5	3	9	11	5	4	0	1
6	4	7	1	6	4	9	9
7	5	4	3	7	5	7	4
8	6	1	6	8	6	5	0
9	6	10	8	9	7	2	8
10	7	7	10	10	8	0	3
11	8	5	0	11	8	9	11
12	9	2	3	12	9	7	6
13	9	11	5	13	10	5	2
14	10	8	7	14	11	2	9
15	11	5	9	15	12	0	5
16	12	3	0	16	12	10	1
17	13	0	2	17	13	7	8
18	13	9	4	18	14	5	4
19	14	6	6	19	15	2	11
20	15	3	9	20	16	0	7
21	16	0	11	21	16	10	2
22	16	10	1	22	17	7	10
23	17	7	3	23	18	5	5
24	18	4	6	24	19	3	1
25	19	1	3	25	20	0	9
26	19	10	10	26	20	10	4
27	20	8	0	27	21	8	0
28	21	5	3	28	22	5	7
29	22	2	5	29	23	3	3
30	22	11	7	30	24	0	10
31	23	8	9	31	24	10	6
32	24	6	0	32	25	8	2
33	25	3	2	33	26	5	9
34	26	0	4	34	27	3	5
35	26	9	6	35	28	1	0
36	27	6	9	36	28	10	8
37	28	3	11	37	29	8	3
38	29	1	1	38	30	5	11
39	29	10	3	39	31	3	6
40	30	7	6	40	32	1	2
41	31	4	8	41	32	10	10
42	32	1	10	42	33	8	5
43	32	11	0	43	34	6	1
44	33	8	3	44	35	3	8
45	34	5	5	45	36	1	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	2	3 6	$\frac{1}{4}$	0	2	4 9
$\frac{1}{2}$	0	4	7 0	$\frac{1}{2}$	0	4	9 6
$\frac{3}{4}$	0	6	10 6	$\frac{3}{4}$	0	7	2 3

Ft. long	Side 11 Inch.			Ft. long	Side 11 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	10	1	1	0	10	6
2	1	8	2	2	1	9	1
3	2	6	3	3	2	7	7
4	3	4	4	4	3	6	2
5	4	2	5	5	4	4	8
6	5	0	6	6	5	3	3
7	5	10	7	7	6	1	9
8	6	8	8	8	7	0	4
9	7	6	9	9	7	10	11
10	8	4	10	10	8	9	5
11	9	2	11	11	9	8	0
12	10	1	0	12	10	6	6
13	10	11	1	13	11	5	1
14	11	9	2	14	12	3	7
15	12	7	3	15	13	2	2
16	13	5	4	16	14	0	9
17	14	3	5	17	14	11	3
18	15	1	6	18	15	9	10
19	15	11	7	19	16	8	4
20	16	9	8	20	17	6	11
21	17	7	9	21	18	5	5
22	18	5	10	22	19	4	0
23	19	3	11	23	20	2	6
24	20	2	0	24	21	1	1
25	21	0	1	25	21	11	8
26	21	10	2	26	22	10	2
27	22	8	3	27	23	8	9
28	23	6	4	28	24	7	3
29	24	4	5	29	25	5	10
30	25	2	6	30	26	4	4
31	26	0	7	31	27	2	11
32	26	10	8	32	28	1	6
33	27	8	9	33	29	0	0
34	28	6	10	34	29	10	7
35	29	4	11	35	30	9	1
36	30	3	0	36	31	7	8
37	31	1	1	37	32	6	2
38	31	11	2	38	33	4	9
39	32	9	3	39	34	3	3
40	33	7	4	40	35	1	10
41	34	5	5	41	36	0	5
42	35	3	6	42	36	10	11
43	36	1	7	43	37	9	6
44	36	11	8	44	38	8	0
45	37	9	9	45	39	6	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	2	6 3	$\frac{1}{4}$	0	2	7 6
$\frac{1}{2}$	0	5	0 6	$\frac{1}{2}$	0	5	3 0
$\frac{3}{4}$	0	7	6 9	$\frac{3}{4}$	0	7	10 6

Ft. long	Side 11 $\frac{1}{2}$			Ft. long	Side 11 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	11	0	1	0	11	6
2	1	10	0	2	1	11	0
3	2	9	0	3	2	10	6
4	3	8	1	4	3	10	0
5	4	7	1	5	4	9	6
6	5	6	1	6	5	9	0
7	6	5	1	7	6	8	6
8	7	4	2	8	7	8	0
9	8	3	2	9	8	7	6
10	9	2	2	10	9	7	0
11	10	1	2	11	10	6	6
12	11	0	3	12	11	6	0
13	11	11	3	13	12	5	6
14	12	10	3	14	13	5	0
15	13	9	3	15	14	4	6
16	14	8	4	16	15	4	1
17	15	7	4	17	16	3	7
18	16	6	4	18	17	3	1
19	17	5	4	19	18	2	7
20	18	4	5	20	19	2	1
21	19	3	5	21	20	1	7
22	20	2	5	22	21	1	1
23	21	1	5	33	22	0	7
24	22	0	6	24	23	0	1
25	22	11	6	25	23	11	7
26	23	10	6	26	24	11	1
27	24	9	6	27	25	10	7
28	25	8	7	28	26	10	1
29	26	7	7	29	27	9	7
30	27	6	7	30	28	9	1
31	28	5	7	31	29	8	7
32	29	4	8	32	30	8	2
33	30	3	8	33	31	7	8
34	31	2	8	34	32	7	2
35	32	1	8	35	33	6	8
36	33	0	9	36	34	6	2
37	33	11	9	37	35	5	8
38	34	10	9	38	36	5	2
39	35	9	9	39	37	4	8
40	36	8	10	40	38	4	2
41	37	7	10	41	39	3	8
42	38	6	10	42	40	3	2
43	39	5	10	43	41	2	8
44	40	4	11	44	42	2	2
45	41	3	11	45	43	1	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	2	9 0	1	0	2	10 6
2	0	5	6 0	2	0	5	9 0
3	0	8	3 0	3	0	8	7 6

Ft. long	Side 12 Inch.			Ft. long	Side 12 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	0	0	1	1	0	6
2	2	0	0	2	2	1	0
3	3	0	0	3	3	1	6
4	4	0	0	4	4	2	0
5	5	0	0	5	5	2	6
6	6	0	0	6	6	3	0
7	7	0	0	7	7	3	6
8	8	0	0	8	8	4	0
9	9	0	0	9	9	4	6
10	10	0	0	10	10	5	0
11	11	0	0	11	11	5	6
12	12	0	0	12	12	6	0
13	13	0	0	13	13	6	6
14	14	0	0	14	14	7	0
15	15	0	0	15	15	7	6
16	16	0	0	16	16	8	1
17	17	0	0	17	17	8	7
18	18	0	0	18	18	9	1
19	19	0	0	19	19	9	7
20	20	0	0	20	20	10	1
21	21	0	0	21	21	10	7
22	22	0	0	22	22	11	1
23	23	0	0	23	23	11	7
24	24	0	0	24	25	0	1
25	25	0	0	25	26	0	7
26	26	0	0	26	27	1	1
27	27	0	0	27	28	1	7
28	28	0	0	28	29	2	1
29	29	0	0	29	30	2	7
30	30	0	0	30	31	3	1
31	31	0	0	31	32	3	8
32	32	0	0	32	33	4	2
33	33	0	0	33	34	4	8
34	34	0	0	34	35	5	2
35	35	0	0	35	36	5	8
36	36	0	0	36	37	6	2
37	37	0	0	37	38	6	8
38	38	0	0	38	39	7	2
39	39	0	0	39	40	7	8
40	40	0	0	40	41	8	2
41	41	0	0	41	42	8	8
42	42	0	0	42	43	9	2
43	43	0	0	43	44	9	8
44	44	0	0	44	45	10	2
45	45	0	0	45	46	10	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	3	0 0	$\frac{1}{4}$	0	3	1 6
$\frac{1}{2}$	0	6	0 0	$\frac{1}{2}$	0	6	3 0
$\frac{3}{4}$	0	9	0 0	$\frac{3}{4}$	0	9	4 6

Ft. long	Side $12\frac{1}{2}$			Ft. long	Side $12\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	1	0	1	1	1	6
2	2	2	0	2	2	3	1
3	3	3	0	3	3	4	7
4	4	4	1	4	4	6	2
5	5	5	1	5	5	7	8
6	6	6	1	6	6	9	3
7	7	7	1	7	7	10	9
8	8	8	2	8	9	0	4
9	9	9	2	9	10	1	11
10	10	10	2	10	11	3	5
11	11	11	2	11	12	5	0
12	13	0	3	12	13	6	6
13	14	1	3	13	14	8	1
14	15	2	3	14	15	9	7
15	16	3	3	15	16	11	2
16	17	4	4	16	18	0	9
17	18	5	4	17	19	2	3
18	19	6	4	18	20	3	10
19	20	7	4	19	21	5	4
20	21	8	5	20	22	6	11
21	22	9	5	21	23	8	5
22	23	10	5	22	24	10	0
23	24	11	5	23	25	11	6
24	26	0	6	24	27	1	1
25	27	1	6	25	28	2	8
26	28	2	6	26	29	4	2
27	29	3	6	27	30	5	9
28	30	4	7	28	31	7	3
29	31	5	7	29	32	8	10
30	32	6	7	30	33	10	4
31	33	7	7	31	34	11	11
32	34	8	8	32	36	1	6
33	35	9	8	33	37	3	0
34	36	10	8	34	38	4	7
35	37	11	8	35	39	6	1
36	39	0	9	36	40	7	8
37	40	1	9	37	41	9	2
38	41	2	9	38	42	10	9
39	42	3	9	39	44	0	3
40	43	4	10	40	45	1	10
41	44	5	10	41	46	3	5
42	45	6	10	42	47	4	11
43	46	7	10	43	48	6	6
44	47	8	11	44	49	8	0
45	48	9	11	45	50	9	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	3	3 0	$\frac{1}{4}$	0	3	4 6
$\frac{1}{2}$	0	6	6 0	$\frac{1}{2}$	0	6	9 0
$\frac{3}{4}$	0	9	9 0	$\frac{3}{4}$	0	10	1 6

Ft. long	Side 13 Inch.			Ft. long	Side 13 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	2	1	1	1	2	7
2	2	4	2	2	2	5	3
3	3	6	3	3	3	7	10
4	4	8	4	4	4	10	6
5	5	10	5	5	6	1	1
6	7	0	6	6	7	3	9
7	8	2	7	7	8	6	4
8	9	4	8	8	9	9	0
9	10	6	9	9	10	11	8
10	11	8	10	10	12	2	3
11	12	10	11	11	13	4	11
12	14	1	0	12	14	7	6
13	15	3	1	13	15	10	2
14	16	5	2	14	17	0	9
15	17	7	3	15	18	3	5
16	18	9	4	16	19	6	1
17	19	11	5	17	20	8	8
18	21	1	6	18	21	11	4
19	22	3	7	19	23	1	11
20	23	5	8	20	24	4	7
21	24	7	9	21	25	7	2
22	25	9	10	22	26	9	10
23	26	11	11	23	28	0	5
24	28	2	0	24	29	3	1
25	29	4	1	25	30	5	9
26	30	6	2	26	31	8	4
27	31	8	3	27	32	11	0
28	32	10	4	28	34	1	7
29	34	0	5	29	35	4	3
30	35	2	6	30	36	6	10
31	36	4	7	31	37	9	6
32	37	6	8	32	39	0	2
33	38	8	9	33	40	2	9
34	39	10	10	34	41	5	5
35	41	0	11	35	42	8	0
36	42	3	0	36	43	10	8
37	43	5	1	37	45	1	3
38	44	7	2	38	46	3	11
39	45	9	3	39	47	6	6
40	46	11	4	40	48	9	2
41	48	1	5	41	49	11	10
42	49	3	6	42	51	2	5
43	50	5	7	43	52	5	1
44	51	7	8	44	53	7	8
45	52	9	9	45	54	10	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	3	6 3	$\frac{1}{4}$	0	3	7 9
$\frac{1}{2}$	0	7	0 6	$\frac{1}{2}$	0	7	3 6
$\frac{3}{4}$	0	10	6 9	$\frac{3}{4}$	0	10	11 3

Side 13 $\frac{1}{2}$				Side 13 $\frac{1}{2}$			
Ft. long		Ft. In. Pa.		Ft. long		Ft. In. Pa.	
1	1	3	2	1	1	3	9
2	2	6	4	2	2	7	6
3	3	9	6	3	3	11	3
4	5	0	9	4	5	3	0
5	6	3	11	5	6	6	9
6	7	7	1	6	7	10	6
7	8	10	3	7	9	2	3
8	10	1	6	8	10	6	0
9	11	4	8	9	11	9	9
10	12	7	10	10	13	1	6
11	13	11	0	11	14	5	3
12	15	2	3	12	15	9	0
13	16	5	5	13	17	0	9
14	17	8	7	14	18	4	6
15	18	11	9	15	19	8	3
16	20	3	0	16	21	0	1
17	21	6	2	17	22	3	10
18	22	9	4	18	23	7	7
19	24	0	6	19	24	11	4
20	25	3	9	20	26	3	1
21	26	6	11	21	27	6	10
22	27	10	1	22	28	10	7
23	29	1	3	23	30	2	4
24	30	4	6	24	31	6	1
25	31	7	8	25	32	9	10
26	32	10	10	26	34	1	7
27	34	2	0	27	35	5	4
28	35	5	3	28	36	9	1
29	36	8	5	29	38	0	10
30	37	11	7	30	39	4	7
31	39	2	9	31	40	8	4
32	40	6	0	32	42	0	2
33	41	9	2	33	43	3	11
34	43	0	4	34	44	7	8
35	44	3	6	35	45	11	5
36	45	6	9	36	47	3	2
37	46	9	11	37	48	6	11
38	48	1	1	38	49	10	8
39	49	4	3	39	51	2	5
40	50	7	6	40	52	6	2
41	51	10	8	41	53	9	11
42	53	1	10	42	55	1	8
43	54	5	0	43	56	5	5
44	55	8	3	44	57	9	2
45	56	11	5	45	59	0	11

Quarters of a Foot.				Quarters of a Foot.			
Ft. In. Pa. S.		Ft. In. Pa. S.		Ft. In. Pa. S.		Ft. In. Pa. S.	
$\frac{1}{4}$	0	3	9	$\frac{1}{4}$	0	3	11
$\frac{1}{2}$	0	7	7	$\frac{1}{2}$	0	7	10
$\frac{3}{4}$	0	11	4	$\frac{3}{4}$	0	11	9

Ft. long	Side 14 Inch.			Ft. long	Side 14 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	4	4	1	1	4	11
2	2	8	8	2	2	9	10
3	4	1	0	3	4	2	9
4	5	5	4	4	5	7	8
5	6	9	8	5	7	0	7
6	8	2	0	6	8	5	6
7	9	6	4	7	9	10	5
8	10	10	8	8	11	3	4
9	12	3	0	9	12	8	3
10	13	7	4	10	14	1	2
11	14	11	8	11	15	6	1
12	16	4	0	12	16	11	0
13	17	8	4	13	18	3	11
14	19	0	8	14	19	8	10
15	20	5	0	15	21	1	9
16	21	9	4	16	22	6	9
17	23	1	8	17	23	11	8
18	24	6	0	18	25	4	7
19	25	10	4	19	26	9	6
20	27	2	8	20	28	2	5
21	28	7	0	21	29	7	4
22	29	11	4	22	31	0	3
23	31	3	8	23	32	5	2
24	32	8	0	24	33	10	1
25	34	0	4	25	35	3	0
26	35	4	8	26	36	7	11
27	36	9	0	27	38	0	10
28	38	1	4	28	39	5	9
29	39	5	8	29	40	10	8
30	40	10	0	30	42	3	7
31	42	2	4	31	43	8	6
32	43	6	8	32	45	1	6
33	44	11	0	33	46	6	5
34	46	3	4	34	47	11	4
35	47	7	8	35	49	4	3
36	49	0	0	36	50	9	2
37	50	4	4	37	52	2	1
38	51	8	8	38	53	7	0
39	53	1	0	39	54	11	11
40	54	5	4	40	56	4	10
41	55	0	8	41	57	9	9
42	57	2	0	42	59	2	8
43	58	6	4	43	60	7	7
44	59	10	8	44	62	0	6
45	60	3	0	45	63	5	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	4	1 0	$\frac{1}{4}$	0	4	2 9
$\frac{1}{2}$	0	8	2 0	$\frac{1}{2}$	0	8	5 6
$\frac{3}{4}$	1	0	3 0	$\frac{3}{4}$	1	0	8 3

Side 14 $\frac{1}{2}$				Side 14 $\frac{1}{2}$			
Ft. long	Ft. In. Pa.			Ft. long	Ft. In. Pa.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	5	6	1	1	6	1
2	2	11	0	2	3	0	3
3	4	4	6	3	4	6	4
4	5	10	1	4	6	0	6
5	7	3	7	5	7	6	7
6	8	9	1	6	9	0	9
7	10	2	7	7	10	6	10
8	11	8	2	8	12	1	0
9	13	1	8	9	13	7	2
10	14	7	2	10	15	1	3
11	16	0	8	11	16	7	5
12	17	6	3	12	18	1	6
13	18	11	9	13	19	7	8
14	20	5	3	14	21	1	9
15	21	10	9	15	22	7	11
16	23	4	4	16	24	2	1
17	24	9	10	17	25	8	2
18	26	3	4	18	27	2	4
19	27	8	10	19	28	8	5
20	29	2	5	20	30	2	7
21	30	7	11	21	31	8	8
22	32	1	5	22	33	2	10
23	33	6	11	23	34	8	11
24	35	0	6	24	36	3	1
25	36	6	0	25	37	9	3
26	37	11	6	26	39	3	4
27	39	5	0	27	40	9	6
28	40	10	7	28	42	3	7
29	42	4	1	29	43	9	9
30	43	9	7	30	45	3	10
31	45	3	1	31	46	10	0
32	46	8	8	32	48	4	2
33	48	2	2	33	49	10	3
34	49	7	8	34	51	4	5
35	51	1	2	35	52	10	6
36	52	6	9	36	54	4	8
37	54	0	3	37	55	10	9
38	55	5	9	38	57	4	11
39	56	11	3	39	58	11	0
40	58	4	10	40	60	5	2
41	59	10	4	41	61	11	4
42	61	3	10	42	63	5	5
43	62	9	4	43	64	11	7
44	64	2	11	44	66	5	8
45	65	8	5	45	67	11	10
Quarters of a Foot.				Quarters of a Foot.			
Ft. long	Ft. In. Pa. S.			Ft. long	Ft. In. Pa. S.		
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	4	4 6	$\frac{1}{4}$	0	4	6 3
$\frac{1}{2}$	0	8	9 0	$\frac{1}{2}$	0	9	0 6
$\frac{3}{4}$	1	1	1 6	$\frac{3}{4}$	1	1	6 9

Ft. long	Side 15 Inch.			Ft. long	Side 15 $\frac{1}{4}$				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	6	9	1	1	7	4		
2	3	1	6	2	3	2	9		
3	4	8	3	3	4	10	1		
4	6	3	0	4	6	5	6		
5	7	9	9	5	8	0	10		
6	9	4	6	6	9	8	3		
7	10	11	3	7	11	3	7		
8	12	6	0	8	12	11	0		
9	14	0	9	9	14	6	5		
10	15	7	6	10	16	1	9		
11	17	2	3	11	17	9	2		
12	18	9	0	12	19	4	6		
13	20	3	9	13	20	11	11		
14	21	10	6	14	22	7	3		
15	23	5	3	15	24	2	8		
16	25	0	0	16	25	10	1		
17	26	6	9	17	27	5	5		
18	28	1	6	18	29	0	10		
19	29	8	3	19	30	8	2		
20	31	3	0	20	32	3	7		
21	32	9	9	21	33	10	11		
22	34	4	6	22	35	6	4		
23	35	11	3	23	37	1	8		
24	37	6	0	24	38	9	1		
25	39	0	9	25	40	4	6		
26	40	7	6	26	41	11	10		
27	42	2	3	27	43	7	3		
28	43	9	0	28	45	2	7		
29	45	3	9	29	46	10	0		
30	46	10	6	30	48	5	4		
31	48	5	3	31	50	0	9		
32	50	0	0	32	51	8	2		
33	51	6	9	33	53	3	6		
34	53	1	6	34	54	10	11		
35	54	8	3	35	56	6	3		
36	56	3	0	36	58	1	8		
37	57	9	9	37	59	9	0		
38	59	4	6	38	61	4	5		
39	60	11	3	39	62	11	9		
40	62	6	0	40	64	7	2		
41	64	0	9	41	66	2	7		
42	65	7	6	42	67	9	11		
43	67	2	3	43	69	5	4		
44	68	9	0	44	71	0	8		
45	70	3	9	45	72	8	1		
Quarters of a Foot.				Quarters of a Foot.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	4	8	3	$\frac{1}{4}$	0	4	10	0
$\frac{1}{2}$	0	9	4	6	$\frac{1}{2}$	0	9	8	0
$\frac{3}{4}$	1	2	0	9	$\frac{3}{4}$	1	2	6	0

Ft. long	Side 15 $\frac{1}{2}$			Ft. long	Side 15 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	8	0	1	1	8	8
2	3	4	0	2	3	5	4
3	5	0	0	3	5	2	0
4	6	8	1	4	6	10	8
5	8	4	1	5	8	7	4
6	10	0	1	6	10	4	0
7	11	8	1	7	12	0	8
8	13	4	2	8	13	9	4
9	15	0	2	9	15	6	0
10	16	8	2	10	17	2	8
11	18	4	2	11	18	11	4
12	20	0	3	12	20	8	0
13	21	8	3	13	22	4	8
14	23	4	3	14	24	1	4
15	25	0	3	15	25	10	0
16	26	8	4	16	27	6	9
17	28	4	4	17	29	3	5
18	30	0	4	18	31	0	1
19	31	8	4	19	32	8	9
20	33	4	5	20	34	5	5
21	35	0	5	21	36	2	1
22	36	8	5	22	37	10	9
23	38	4	5	23	39	7	5
24	40	0	6	24	41	4	1
25	41	8	6	25	43	0	9
26	43	4	6	26	44	9	5
27	45	0	6	27	46	6	1
28	46	8	7	28	48	2	9
29	48	4	7	29	49	11	5
30	50	0	7	30	51	8	1
31	51	8	7	31	53	4	9
32	53	4	8	32	55	1	6
33	55	0	8	33	56	10	2
34	56	8	8	34	58	6	10
35	58	4	8	35	60	3	6
36	60	0	9	36	62	0	2
37	61	8	9	37	63	8	10
38	63	4	9	38	65	5	6
39	65	0	9	39	67	2	2
40	66	8	10	40	68	10	10
41	68	4	10	41	70	7	6
42	70	0	10	42	72	4	2
43	71	8	10	43	74	0	10
44	73	4	11	44	75	9	6
45	75	0	11	45	77	6	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	5	0 0	1	0	5	2 0
2	0	10	0 0	2	0	10	4 0
3	1	3	0 0	3	1	3	6 0

Ft. long	Side 16 Inch.			Ft. long	Side 16 1/2		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	9	4	1	1	10	0
2	3	6	8	2	3	8	0
3	5	4	0	3	5	6	0
4	7	1	4	4	7	4	0
5	8	10	8	5	9	2	0
6	10	8	0	6	11	0	0
7	12	5	4	7	12	10	0
8	14	2	8	8	14	8	0
9	16	0	0	9	16	6	0
10	17	9	4	10	18	4	0
11	19	6	8	11	20	2	0
12	21	4	0	12	22	0	0
13	23	1	4	13	23	10	0
14	24	10	8	14	25	8	0
15	26	8	0	15	27	6	0
16	28	5	4	16	29	4	1
17	30	2	8	17	31	2	1
18	32	0	0	18	33	0	1
19	33	9	4	19	34	10	1
20	35	6	8	20	36	8	1
21	37	4	0	21	38	6	1
22	39	1	4	22	40	4	1
23	40	10	8	23	42	2	1
24	42	8	0	24	44	0	1
25	44	5	4	25	45	10	1
26	46	2	8	26	47	8	1
27	48	0	0	27	49	6	1
28	49	9	4	28	51	4	1
29	51	6	8	29	53	2	1
30	53	4	0	30	55	0	1
31	55	1	4	31	56	10	1
32	56	10	8	32	58	8	2
33	58	8	0	33	60	6	2
34	60	5	4	34	62	4	2
35	62	2	8	35	64	2	2
36	64	0	0	36	66	0	2
37	65	9	4	37	67	10	2
38	67	6	8	38	69	8	2
39	69	4	0	39	71	6	2
40	71	1	4	40	73	4	2
41	72	10	8	41	75	2	2
42	74	8	0	42	77	0	2
43	76	4	4	43	78	10	2
44	78	2	8	44	80	8	2
45	80	0	0	45	82	6	2

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S		Ft.	In.	Pa.	S
1/4	0	5	4	0	1/4	0	5	6	0
1/2	0	10	8	0	1/2	0	11	0	0
3/4	1	4	0	0	3/4	1	4	6	0

Ft. long.	Side 16 $\frac{1}{2}$			Ft. long.	Side 16 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	10	8	1	1	11	4
2	3	9	4	2	3	10	9
3	5	8	0	3	5	10	1
4	7	6	9	4	7	9	6
5	9	5	5	5	9	8	10
6	11	4	1	6	11	8	3
7	13	2	9	7	13	7	7
8	15	1	6	8	15	7	0
9	17	0	2	9	17	6	5
10	18	10	10	10	19	5	9
11	20	9	6	11	21	5	2
12	22	8	3	12	23	4	6
13	24	6	11	13	25	3	11
14	26	5	7	14	27	3	3
15	28	4	3	15	29	2	8
16	30	3	0	16	31	2	1
17	32	1	8	17	33	1	5
18	34	0	4	18	35	0	10
19	35	11	0	19	37	0	2
20	37	9	9	20	38	11	7
21	39	8	5	21	40	10	11
22	41	7	1	22	42	10	4
23	43	5	9	23	44	9	8
24	45	4	6	24	46	9	1
25	47	3	2	25	48	8	6
26	49	1	10	26	50	7	10
27	51	0	6	27	52	7	3
28	52	11	3	28	54	6	7
29	54	9	11	29	56	6	0
30	56	8	7	30	58	5	4
31	58	7	3	31	60	4	9
32	60	6	0	32	62	4	2
33	62	4	8	33	64	3	6
34	64	3	4	34	66	2	11
35	66	2	0	35	68	2	3
36	68	0	9	36	70	1	8
37	69	11	5	37	72	1	0
38	71	10	1	38	74	0	5
39	73	8	9	39	75	11	9
40	75	7	6	40	77	11	2
41	77	6	2	41	79	10	7
42	79	4	10	42	81	9	11
43	81	3	6	43	83	9	4
44	83	2	3	44	85	8	8
45	85	0	11	45	87	8	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	5	8 0	$\frac{1}{4}$	0	5	10 0
$\frac{1}{2}$	0	11	4 0	$\frac{1}{2}$	0	11	8 0
$\frac{3}{4}$	1	5	0 0	$\frac{3}{4}$	1	5	6 0

Ft. long	Side 17 Inch.			Ft. long	Side 17 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	0	1	1	2	0	9
2	4	0	2	2	4	1	7
3	6	0	3	3	6	2	4
4	8	0	4	4	8	3	2
5	10	0	5	5	10	3	11
6	12	0	6	6	12	4	9
7	14	0	7	7	14	5	6
8	16	0	8	8	16	6	4
9	18	0	9	9	18	7	2
10	20	0	10	10	20	7	11
11	22	0	11	11	22	8	9
12	24	1	0	12	24	9	6
13	26	1	1	13	26	10	4
14	28	1	2	14	28	11	1
15	30	1	3	15	30	11	11
16	32	1	4	16	33	0	9
17	34	1	5	17	35	1	6
18	36	1	6	18	37	2	4
19	38	1	7	19	39	3	1
20	40	1	8	20	41	3	11
21	42	1	9	21	43	4	8
22	44	1	10	22	45	5	6
23	46	1	11	23	47	6	3
24	48	2	0	24	49	7	1
25	50	2	1	25	51	7	11
26	52	2	2	26	53	8	8
27	54	2	3	27	55	9	6
28	56	2	4	28	57	10	3
29	58	2	5	29	59	11	1
30	60	2	6	30	61	11	10
31	62	2	7	31	64	0	8
32	64	2	8	32	66	1	6
33	66	2	9	33	68	2	3
34	68	2	10	34	70	3	1
35	70	2	11	35	72	3	10
36	72	3	0	36	74	4	8
37	74	3	1	37	76	5	5
38	76	3	2	38	78	6	3
39	78	3	3	39	80	7	0
40	80	3	4	40	82	7	10
41	82	3	5	41	84	8	8
42	84	3	6	42	86	9	5
43	86	3	7	43	88	10	3
44	88	3	8	44	90	11	0
45	90	3	9	45	92	11	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	6	0 3	$\frac{1}{4}$	0	6	2 3
$\frac{1}{2}$	1	0	0 6	$\frac{1}{2}$	1	0	4 6
$\frac{3}{4}$	1	6	0 9	$\frac{3}{4}$	1	6	6 9

Ft. long	Side 17 $\frac{1}{2}$			Ft. long	Side 17 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	1	6	1	2	2	3
2	4	3	0	2	4	4	6
3	6	4	6	3	6	6	9
4	8	6	1	4	8	9	0
5	10	7	7	5	10	11	3
6	12	9	1	6	13	1	6
7	14	10	7	7	15	3	9
8	17	0	2	8	17	6	0
9	19	1	8	9	19	8	3
10	21	3	2	10	21	10	6
11	23	4	8	11	24	0	9
12	25	6	3	12	26	3	0
13	27	7	9	13	28	5	3
14	29	9	3	14	30	7	6
15	31	10	9	15	32	9	9
16	34	0	4	16	35	0	1
17	36	1	10	17	37	2	4
18	38	3	4	18	39	4	7
19	40	4	10	19	41	6	10
20	42	6	5	20	43	9	1
21	44	7	11	21	45	11	4
22	46	9	5	22	48	1	7
23	48	10	11	23	50	3	10
24	51	0	6	24	52	6	1
25	53	2	0	25	54	8	4
26	55	3	6	26	56	10	7
27	57	5	0	27	59	0	10
28	59	6	7	28	61	3	1
29	61	8	1	29	63	5	4
30	63	9	7	30	65	7	7
31	65	11	1	31	67	9	10
32	68	0	8	32	70	0	2
33	70	2	2	33	72	2	5
34	72	3	8	34	74	4	8
35	74	5	2	35	76	0	11
36	76	6	9	36	78	9	2
37	78	8	3	37	80	11	5
38	80	9	9	38	83	1	8
39	82	11	3	39	85	3	11
40	85	0	10	40	87	6	2
41	87	2	4	41	89	8	5
42	89	3	10	42	91	10	8
43	91	5	4	43	94	0	11
44	93	6	11	44	96	3	2
45	95	8	5	45	98	5	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	6	4 6	$\frac{1}{4}$	0	6	6 9
$\frac{1}{2}$	1	0	9 0	$\frac{1}{2}$	1	1	1 6
$\frac{3}{4}$	1	7	1 6	$\frac{3}{4}$	1	7	8 3

Ft. long	Side 18 Inch.			Ft. long	Side 18 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	3	0	1	2	3	9
2	4	6	0	2	4	7	6
3	6	9	0	3	6	11	3
4	9	0	0	4	9	3	0
5	11	3	0	5	11	6	9
6	13	6	0	6	13	10	6
7	15	9	0	7	16	2	3
8	18	0	0	8	18	6	0
9	20	3	0	9	20	9	9
10	22	6	0	10	23	1	6
11	24	9	0	11	25	5	3
12	27	0	0	12	27	9	0
13	29	3	0	13	30	0	9
14	31	6	0	14	32	4	6
15	33	9	0	15	34	8	3
16	36	0	0	16	37	0	1
17	38	3	0	17	39	3	10
18	40	6	0	18	41	7	7
19	42	9	0	19	43	11	4
20	45	0	0	20	46	3	1
21	47	3	0	21	48	6	10
22	49	6	0	22	50	10	7
23	51	9	0	23	53	2	4
24	54	0	0	24	55	6	1
25	56	3	0	25	57	9	10
26	58	6	0	26	60	1	7
27	60	9	0	27	62	5	4
28	63	0	0	28	64	9	1
29	65	3	0	29	67	0	10
30	67	6	0	30	69	4	7
31	69	9	0	31	71	8	4
32	72	0	0	32	74	0	2
33	74	3	0	33	76	3	11
34	76	6	0	34	78	7	8
35	78	9	0	35	80	11	5
36	81	0	0	36	83	3	2
37	83	3	0	37	85	6	11
38	85	6	0	38	87	10	8
39	87	9	0	39	90	2	5
40	90	0	0	40	92	6	2
41	92	3	0	41	94	9	11
42	94	6	0	42	97	1	8
43	96	9	0	43	99	5	5
44	99	0	0	44	101	9	2
45	101	3	0	45	104	0	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	6	9 0	$\frac{1}{4}$	0	6	11 3
$\frac{1}{2}$	1	1	6 0	$\frac{1}{2}$	1	1	10 6
$\frac{3}{4}$	1	8	3 0	$\frac{3}{4}$	1	8	9 9

Ft. long	Side 18 $\frac{1}{2}$			Ft. long	Side 18 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	4	6	1	2	5	3
2	4	9	0	2	4	10	7
3	7	1	6	3	7	3	10
4	9	6	1	4	9	9	2
5	11	10	7	5	12	2	5
6	14	3	1	6	14	7	9
7	16	7	7	7	17	1	0
8	19	0	2	8	19	6	4
9	21	4	8	9	21	11	8
10	23	9	2	10	24	4	11
11	26	1	8	11	26	10	3
12	28	6	3	12	29	3	6
13	30	10	9	13	31	8	10
14	33	3	3	14	34	2	1
15	35	7	9	15	36	7	5
16	38	0	4	16	39	0	9
17	40	4	10	17	41	6	0
18	42	9	4	18	43	11	4
19	45	1	10	19	46	4	7
20	47	6	5	20	48	9	11
21	49	10	11	21	51	3	2
22	52	3	5	22	53	8	6
23	54	7	11	23	56	1	9
24	57	0	6	24	58	7	1
25	59	5	0	25	61	0	5
26	61	9	6	26	63	5	8
27	64	2	0	27	65	11	0
28	66	6	7	28	68	4	3
29	68	11	1	29	70	9	7
30	71	3	7	30	73	2	10
31	73	8	1	31	75	8	2
32	76	0	8	32	78	1	6
33	78	5	2	33	80	6	9
34	80	9	8	34	83	0	1
35	83	2	2	35	85	5	4
36	85	6	9	36	87	10	8
37	87	11	3	37	90	3	11
38	90	3	9	38	92	9	3
39	92	8	3	39	95	2	6
40	95	0	10	40	97	7	10
41	97	5	4	41	100	1	2
42	99	9	10	42	102	6	5
43	102	2	4	43	104	11	9
44	104	6	11	44	107	5	0
45	106	11	5	45	109	10	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	7	1 6	$\frac{1}{4}$	0	7	3 9
$\frac{1}{2}$	1	2	3 0	$\frac{1}{2}$	1	2	7 6
$\frac{3}{4}$	1	9	4 6	$\frac{3}{4}$	1	9	11 3

Ft. long	Side 19 Inch.			Ft. long	Side 19 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	6	1	1	2	6	10
2	5	0	2	2	5	1	9
3	7	6	3	3	7	8	7
4	10	0	4	4	10	3	6
5	12	6	5	5	12	10	4
6	15	0	6	6	15	5	3
7	17	6	7	7	18	0	1
8	20	0	8	8	20	7	0
9	22	6	9	9	23	1	11
10	25	0	10	10	25	8	9
11	27	6	11	11	28	3	8
12	30	1	0	12	30	10	6
13	32	7	1	13	33	5	5
14	35	1	2	14	36	0	3
15	37	7	3	15	38	7	2
16	40	1	4	16	41	2	1
17	42	7	5	17	43	8	11
18	45	1	6	18	46	3	10
19	47	7	7	19	48	10	8
20	50	1	8	20	51	5	7
21	52	7	9	21	54	0	5
22	55	1	10	22	56	7	4
23	57	7	11	23	59	2	2
24	60	2	0	24	61	9	1
25	62	8	1	25	64	4	0
26	65	2	2	26	66	10	10
27	67	8	3	27	69	5	9
28	70	2	4	28	72	0	7
29	72	8	5	29	74	7	6
30	75	2	6	30	77	2	4
31	77	8	7	31	79	9	3
32	80	2	8	32	82	4	2
33	82	8	9	33	84	11	0
34	85	2	10	34	87	5	11
35	87	8	11	35	90	0	3
36	90	3	0	36	92	7	8
37	92	9	1	37	95	2	6
38	95	3	2	38	97	9	5
39	97	9	3	39	100	4	3
40	100	3	4	40	102	11	2
41	102	9	5	41	105	6	1
42	105	3	6	42	108	0	11
43	107	9	7	43	110	7	10
44	110	3	8	44	113	2	8
45	112	9	9	45	115	9	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	7	6 3	$\frac{1}{4}$	0	7	8 6
$\frac{1}{2}$	1	3	0 6	$\frac{1}{2}$	1	3	5 0
$\frac{3}{4}$	1	10	6 9	$\frac{3}{4}$	1	11	1 6

Ft. long	Side 19 $\frac{1}{2}$			Ft. long	Side 19 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	7	8	1	2	8	6
2	5	3	4	2	5	5	0
3	7	11	0	3	8	1	6
4	10	6	9	4	10	10	0
5	13	2	5	5	13	6	6
6	15	10	1	6	16	3	0
7	18	5	9	7	18	11	6
8	21	1	6	8	21	8	0
9	23	9	2	9	24	4	6
10	26	4	10	10	27	1	0
11	29	0	6	11	29	9	6
12	31	8	3	12	32	6	0
13	34	3	11	13	35	2	6
14	36	11	7	14	37	11	0
15	39	7	3	15	40	7	6
16	42	3	0	16	43	4	1
17	44	10	8	17	46	0	7
18	47	6	4	18	48	9	1
19	50	2	0	19	51	5	7
20	52	9	9	20	54	2	1
21	55	5	5	21	56	10	7
22	58	1	1	22	59	7	1
23	60	8	9	23	62	3	7
24	63	4	6	24	65	0	1
25	66	0	2	25	67	8	7
26	68	7	10	26	70	5	1
27	71	3	6	27	73	1	7
28	73	11	3	28	75	10	1
29	76	6	11	29	78	6	7
30	79	2	7	30	81	3	1
31	81	10	3	31	83	11	7
32	84	6	0	32	86	8	2
33	87	1	8	33	89	4	8
34	89	9	4	34	92	1	2
35	92	5	0	35	94	9	8
36	95	0	9	36	97	6	2
37	97	8	5	37	100	2	8
38	100	4	1	38	102	11	2
39	102	11	9	39	105	7	8
40	105	7	6	40	108	4	2
41	108	3	2	41	111	0	8
42	110	10	10	42	113	9	2
43	113	6	6	43	116	5	8
44	116	2	3	44	119	2	2
45	118	9	11	45	121	10	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	7	11 0	1	0	8	1 6
2	1	3	10 0	2	1	4	3 0
3	1	11	9 0	3	2	0	4 6

Ft. long	Side 20 Inch.			Ft. long	Side 20 1/2		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	9	4	1	2	10	2
2	5	6	8	2	5	8	4
3	8	4	0	3	8	6	6
4	11	1	4	4	11	4	8
5	13	10	8	5	14	2	10
6	16	8	0	6	17	1	0
7	19	5	4	7	19	11	2
8	22	2	8	8	22	9	4
9	25	0	0	9	25	7	6
10	27	9	4	10	28	5	8
11	30	6	8	11	31	3	10
12	33	4	0	12	34	2	0
13	36	1	4	13	37	0	2
14	38	10	8	14	39	10	4
15	41	8	0	15	42	8	6
16	44	5	4	16	45	6	9
17	47	2	8	17	48	4	11
18	50	0	0	18	51	3	1
19	52	9	4	19	54	1	3
20	55	6	8	20	56	11	5
21	58	4	0	21	59	9	7
22	61	1	4	22	62	7	9
23	63	10	8	23	65	5	11
24	66	8	0	24	68	4	1
25	69	5	4	25	71	2	3
26	72	2	8	26	74	0	5
27	75	0	0	27	76	10	7
28	77	9	4	28	79	8	9
29	80	6	8	29	82	6	11
30	83	4	0	30	85	5	1
31	86	1	4	31	88	3	3
32	88	10	8	32	91	1	6
33	91	8	0	33	93	11	8
34	94	5	4	34	96	9	10
35	97	2	8	35	99	8	0
36	100	0	0	36	102	6	2
37	102	9	4	37	105	4	4
38	105	6	8	38	108	2	6
39	108	4	0	39	111	0	8
40	111	1	4	40	113	10	10
41	113	10	8	41	116	9	0
42	116	8	0	42	119	7	2
43	119	5	4	43	122	5	4
44	122	2	8	44	125	3	6
45	125	0	0	45	128	1	8

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1/4	0	8	4	0	1/4	0	8	6	6
1/2	1	4	8	0	1/2	1	5	1	0
3/4	2	1	0	0	3/4	2	1	7	6

Ft. long	Side 20 $\frac{1}{2}$			Ft. long	Side 20 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	11	0	1	2	11	10
2	5	10	0	2	5	11	9
3	8	9	0	3	8	11	7
4	11	8	1	4	11	11	6
5	14	7	1	5	14	11	4
6	17	6	1	6	17	11	3
7	20	5	1	7	20	11	1
8	23	4	2	8	23	11	0
9	26	3	2	9	26	10	11
10	29	2	2	10	29	10	9
11	32	1	2	11	32	10	8
12	35	0	3	12	35	10	6
13	37	11	3	13	38	10	5
14	40	10	3	14	41	10	3
15	43	9	3	15	44	10	2
16	46	8	4	16	47	10	1
17	49	7	4	17	50	9	11
18	52	6	4	18	53	9	10
19	55	5	4	19	56	9	8
20	58	4	5	20	59	9	7
21	61	3	5	21	62	9	5
22	64	2	5	22	65	9	4
23	67	1	5	23	68	9	2
24	70	0	6	24	71	9	1
25	72	11	6	25	74	9	0
26	75	10	6	26	77	8	10
27	78	9	6	27	80	8	9
28	81	8	7	28	83	8	7
29	84	7	7	29	86	8	6
30	87	6	7	30	89	8	4
31	90	5	7	31	92	8	3
32	93	4	8	32	95	8	2
33	96	3	8	33	98	8	0
34	99	2	8	34	101	7	11
35	102	1	8	35	104	7	9
36	105	0	9	36	107	7	8
37	107	11	9	37	110	7	6
38	110	10	9	38	113	7	5
39	113	9	9	39	116	7	3
40	116	8	10	40	119	7	2
41	119	7	10	41	122	7	1
42	122	6	10	42	125	6	11
43	125	5	10	43	128	6	10
44	128	4	11	44	131	6	8
45	131	3	11	45	134	6	7
Quarters of a Foot.				Quarters of a Foot			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	8	9 0	$\frac{1}{4}$	0	8	11 6
$\frac{1}{2}$	1	5	6 0	$\frac{1}{2}$	1	5	11 0
$\frac{3}{4}$	2	2	3 0	$\frac{3}{4}$	2	2	10 6

Ft. long	Side 21 Inch.			Ft. long	Side 21 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	0	9	1	3	1	7
2	6	1	6	2	6	3	3
3	9	2	3	3	9	4	10
4	12	3	0	4	12	6	6
5	15	3	9	5	15	8	1
6	18	4	6	6	18	9	9
7	21	5	3	7	21	11	4
8	24	6	0	8	25	1	0
9	27	6	9	9	28	2	8
10	30	7	6	10	31	4	3
11	33	8	3	11	34	5	11
12	36	9	0	12	37	7	6
13	39	9	9	13	40	9	2
14	42	10	6	14	43	10	9
15	45	11	3	15	47	0	5
16	49	0	0	16	50	2	1
17	52	0	9	17	53	3	8
18	55	1	6	18	56	5	4
19	58	2	3	19	59	6	11
20	61	3	0	20	62	8	7
21	64	3	9	21	65	10	2
22	67	4	6	22	68	11	10
23	70	5	3	23	72	1	5
24	73	6	0	24	75	3	1
25	76	6	9	25	78	4	9
26	79	7	6	26	81	6	4
27	82	8	3	27	84	8	0
28	85	9	0	28	87	9	7
29	88	9	9	29	90	11	3
30	91	10	6	30	94	0	10
31	94	11	3	31	97	2	6
32	98	0	0	32	100	4	2
33	101	0	9	33	103	5	9
34	104	1	6	34	106	7	5
35	107	2	3	35	109	9	0
36	110	3	0	36	112	10	8
37	113	3	9	37	116	0	3
38	116	4	6	38	119	1	11
39	119	5	3	39	122	3	6
40	122	6	0	40	125	5	2
41	125	6	9	41	128	6	10
42	128	7	6	42	131	8	5
43	131	8	3	43	134	10	1
44	134	9	0	44	137	11	8
45	137	9	9	45	141	1	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	9	2 3	$\frac{1}{4}$	0	9	4 9
$\frac{1}{2}$	1	6	4 6	$\frac{1}{2}$	1	6	9 6
$\frac{3}{4}$	2	3	6 9	$\frac{3}{4}$	2	3	2 3

Ft. long	Side 21 $\frac{1}{2}$			Ft. long	Side 21 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	2	6	1	3	3	5
2	6	5	0	2	6	6	10
3	9	7	6	3	9	10	3
4	12	10	1	4	13	1	8
5	16	0	7	5	16	5	1
6	19	3	1	6	19	8	6
7	22	5	7	7	22	11	11
8	25	8	2	8	26	3	4
9	28	10	8	9	29	6	9
10	32	1	2	10	32	10	2
11	35	3	8	11	36	1	7
12	38	6	3	12	39	5	0
13	41	8	9	13	42	8	5
14	44	11	3	14	45	11	10
15	48	1	9	15	49	3	3
16	51	4	4	16	52	6	9
17	54	6	10	17	55	10	2
18	57	9	4	18	59	1	7
19	60	11	10	19	62	5	0
20	64	2	5	20	65	8	5
21	67	4	11	21	68	11	10
22	70	7	5	22	72	3	3
23	73	9	11	23	75	6	8
24	77	0	6	24	78	10	1
25	80	3	0	25	82	1	6
26	83	5	6	26	85	4	11
27	86	8	0	27	88	8	4
28	89	10	7	28	91	11	9
29	93	1	1	29	95	3	2
30	96	3	7	30	98	6	7
31	99	6	1	31	101	10	0
32	102	8	8	32	105	1	6
33	105	11	2	33	108	4	11
34	109	1	8	34	111	8	4
35	112	4	2	35	114	11	9
36	115	6	9	36	118	3	2
37	118	9	3	37	121	6	7
38	121	11	9	38	124	10	0
39	125	2	3	39	128	1	5
40	128	4	10	40	131	4	10
41	131	7	4	41	134	8	3
42	134	9	10	42	137	11	8
43	138	0	4	43	141	3	1
44	141	2	11	44	144	6	6
45	144	5	5	45	147	9	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	9	7 6	$\frac{1}{4}$	0	9	10 3
$\frac{1}{2}$	1	7	3 0	$\frac{1}{2}$	1	7	8 6
$\frac{3}{4}$	2	4	10 6	$\frac{3}{4}$	2	5	6 9

Ft. long	Side 22 Inch.			Ft. long	Side 22 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	4	4	1	3	5	3
2	6	8	8	2	6	10	6
3	10	1	0	3	10	3	9
4	13	5	4	4	13	9	2
5	16	9	8	5	17	2	3
6	20	2	0	6	20	7	6
7	23	6	4	7	24	0	9
8	26	10	8	8	27	6	0
9	30	3	0	9	30	11	3
10	33	7	4	10	34	4	6
11	36	11	8	11	37	9	9
12	40	4	0	12	41	3	0
13	43	8	4	13	44	8	3
14	47	0	8	14	48	1	6
15	50	5	0	15	51	6	9
16	53	9	4	16	55	0	1
17	57	1	8	17	58	5	4
18	60	6	0	18	61	10	7
19	63	10	4	19	65	3	10
20	67	2	8	20	68	9	1
21	70	7	0	21	72	2	4
22	73	11	4	22	75	7	7
23	77	3	8	23	79	0	10
24	80	8	0	24	82	6	1
25	84	0	4	25	85	11	4
26	87	4	8	26	89	4	7
27	90	9	0	27	92	9	10
28	94	1	4	28	96	3	1
29	97	5	8	29	99	8	4
30	100	10	0	30	103	1	7
31	104	2	4	31	106	6	10
32	107	6	8	32	110	0	2
33	110	11	0	33	113	5	5
34	114	3	4	34	116	10	8
35	117	7	8	35	120	3	11
36	121	0	0	36	123	9	2
37	124	4	4	37	127	2	5
38	127	8	8	38	130	7	8
39	131	1	0	39	134	0	11
40	134	5	4	40	137	6	2
41	137	0	8	41	140	11	5
42	141	2	0	42	144	4	8
43	144	6	4	43	147	9	11
44	147	10	8	44	151	3	2
45	151	3	0	45	154	8	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	10	1 0	$\frac{1}{4}$	0	10	3 9
$\frac{1}{2}$	1	8	2 0	$\frac{1}{2}$	1	8	7 6
$\frac{3}{4}$	2	6	3 0	$\frac{3}{4}$	2	6	11 3

Ft. long	Side 22 $\frac{1}{2}$			Ft. long	Side 22 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	6	2	1	3	7	1
2	7	0	4	2	7	2	3
3	10	6	6	3	10	9	4
4	14	0	9	4	14	4	6
5	17	6	11	5	17	11	7
6	21	1	1	6	21	6	9
7	24	7	3	7	25	1	10
8	28	1	6	8	28	9	0
9	31	7	8	9	32	4	2
10	35	1	10	10	35	11	3
11	38	8	0	11	39	6	5
12	42	2	3	12	43	1	6
13	45	8	5	13	46	8	8
14	49	2	7	14	50	3	9
15	52	8	9	15	53	10	11
16	56	3	0	16	57	6	1
17	59	9	2	17	61	1	2
18	63	3	4	18	64	8	4
19	66	9	6	19	68	3	5
20	70	3	9	20	71	10	7
21	73	9	11	21	75	5	8
22	77	4	1	22	79	0	10
23	80	10	3	23	82	7	11
24	84	4	6	24	85	3	1
25	87	10	8	25	89	10	3
26	91	4	10	26	93	5	4
27	94	11	0	27	97	0	6
28	98	5	3	28	100	7	7
29	101	11	5	29	104	2	9
30	105	5	7	30	107	9	10
31	108	11	9	31	111	5	0
32	112	6	0	32	115	0	2
33	116	0	2	33	118	7	3
34	119	6	4	34	122	2	5
35	123	0	6	35	125	9	6
36	126	6	9	36	129	4	8
37	130	0	11	37	132	11	9
38	133	7	1	38	136	6	11
39	137	1	3	39	140	2	0
40	140	7	6	40	143	9	2
41	144	1	8	41	147	4	4
42	147	7	10	42	150	11	5
43	151	2	0	43	154	6	7
44	154	8	3	44	158	1	8
45	158	2	5	45	161	8	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	10	6 6	$\frac{1}{4}$	0	10	9 3
$\frac{1}{2}$	1	9	1 0	$\frac{1}{2}$	1	9	6 6
$\frac{3}{4}$	2	7	7 6	$\frac{3}{4}$	2	8	3 9

Ft. long	Side 23 Inch.			Ft. long	Side 23 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	8	1	1	3	9	0
2	7	4	2	2	7	6	1
3	11	0	3	3	11	3	1
4	14	8	4	4	15	0	2
5	18	4	5	5	18	9	2
6	22	0	6	6	22	6	3
7	25	8	7	7	26	3	3
8	29	4	8	8	30	0	4
9	33	0	9	9	33	9	5
10	36	8	10	10	37	6	5
11	40	4	11	11	41	3	6
12	44	1	0	12	45	0	6
13	47	9	1	13	48	9	7
14	51	5	2	14	52	6	7
15	55	1	3	15	56	3	8
16	58	9	4	16	60	0	9
17	62	5	5	17	63	9	9
18	66	1	6	18	67	6	10
19	69	9	7	19	71	3	10
20	73	5	8	20	75	0	11
21	77	1	9	21	78	9	11
22	80	9	10	22	82	7	0
23	84	5	11	23	86	4	0
24	88	2	0	24	90	1	1
25	91	10	1	25	93	10	2
26	95	6	2	26	97	7	2
27	99	2	3	27	101	4	3
28	102	10	4	28	105	1	3
29	106	6	5	29	108	10	4
30	110	2	6	30	112	7	4
31	113	10	7	31	116	4	5
32	117	6	8	32	120	1	6
33	121	2	9	33	123	10	6
34	124	10	10	34	127	7	7
35	128	6	11	35	131	4	7
36	132	3	0	36	135	1	8
37	135	11	1	37	138	10	8
38	139	7	2	38	142	7	9
39	143	3	3	39	146	4	9
40	146	11	4	40	150	1	10
41	150	7	5	41	153	10	11
42	154	3	6	42	157	7	11
43	157	11	7	43	161	5	0
44	161	7	8	44	165	2	0
45	165	3	9	45	168	11	1

Quarters of a Foot.				Quarters of a Foot.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	11	0	3	$\frac{1}{4}$	0	11	3	0
$\frac{1}{2}$	1	10	0	6	$\frac{1}{2}$	1	10	6	0
$\frac{3}{4}$	2	9	0	9	$\frac{3}{4}$	2	9	9	0

Ft. long	Side 23 $\frac{1}{2}$			Ft. long	Side 23 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	10	0	1	3	11	0
2	7	8	0	2	7	10	0
3	11	6	0	3	11	9	0
4	15	4	1	4	15	8	0
5	19	2	1	5	19	7	0
6	23	0	1	6	23	6	0
7	26	10	1	7	27	5	0
8	30	8	2	8	31	4	0
9	34	6	2	9	35	3	0
10	38	4	2	10	39	2	0
11	42	2	2	11	43	1	0
12	46	0	3	12	47	0	0
13	49	10	3	13	50	11	0
14	53	8	3	14	54	10	0
15	57	6	3	15	58	9	0
16	61	4	4	16	62	8	1
17	65	2	4	17	66	7	1
18	69	0	4	18	70	6	1
19	72	10	4	19	74	5	1
20	76	8	5	20	78	4	1
21	80	6	5	21	82	3	1
22	84	4	5	22	86	2	1
23	88	2	5	23	90	1	1
24	92	0	6	24	94	0	1
25	95	10	6	25	97	11	1
26	99	8	6	26	101	10	1
27	103	6	6	27	105	9	1
28	107	4	7	28	109	8	1
29	111	2	7	29	113	7	1
30	115	0	7	30	117	6	1
31	118	10	7	31	121	5	1
32	122	8	8	32	125	4	2
33	126	6	8	33	129	3	2
34	130	4	8	34	133	2	2
35	134	2	8	35	137	1	2
36	138	0	9	36	141	0	2
37	141	10	9	37	144	11	2
38	145	8	9	38	148	10	2
39	149	6	9	39	152	9	2
40	153	4	10	40	156	8	2
41	157	2	10	41	160	7	2
42	161	0	10	42	164	6	2
43	164	10	10	43	168	5	2
44	168	8	11	44	172	4	2
45	172	6	11	45	176	3	2
Quarters of a Foot.				Quarters of a Foot.			
$\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	Ft.	In.	Pa. S.	$\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	Ft.	In.	Pa. S.
	0	11	6 0		0	11	9 0
	1	11	0 0		1	11	6 0
	2	10	6 0		2	11	3 0

Ft. long	Side 24 Inch.			Ft. long	Side 24 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	0	0	1	4	1	0
2	8	0	0	2	8	2	0
3	12	0	0	3	12	3	0
4	16	0	0	4	16	4	0
5	20	0	0	5	20	5	0
6	24	0	0	6	24	6	0
7	28	0	0	7	28	7	0
8	32	0	0	8	32	8	0
9	36	0	0	9	36	9	0
10	40	0	0	10	40	10	0
11	44	0	0	11	44	11	0
12	48	0	0	12	49	0	0
13	52	0	0	13	53	1	0
14	56	0	0	14	57	2	0
15	60	0	0	15	61	3	0
16	64	0	0	16	65	4	1
17	68	0	0	17	69	5	1
18	72	0	0	18	73	6	1
19	76	0	0	19	77	7	1
20	80	0	0	20	81	8	1
21	84	0	0	21	85	9	1
22	88	0	0	22	89	10	1
23	92	0	0	23	93	11	1
24	96	0	0	24	98	0	1
25	100	0	0	25	102	1	1
26	104	0	0	26	106	2	1
27	108	0	0	27	110	3	1
28	112	0	0	28	114	4	1
29	116	0	0	29	118	5	1
30	120	0	0	30	122	6	1
31	124	0	0	31	126	7	1
32	128	0	0	32	130	8	2
33	132	0	0	33	134	9	2
34	136	0	0	34	138	10	2
35	140	0	0	35	142	11	2
36	144	0	0	36	147	0	2
37	148	0	0	37	151	1	2
38	152	0	0	38	155	2	2
39	156	0	0	39	159	3	2
40	160	0	0	40	163	4	2
41	164	0	0	41	167	5	2
42	168	0	0	42	171	6	2
43	172	0	0	43	175	7	2
44	176	0	0	44	179	8	2
45	180	0	0	45	183	9	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	0	0 0	$\frac{1}{4}$	1	0	3 0
$\frac{1}{2}$	2	0	0 0	$\frac{1}{2}$	2	0	6 0
$\frac{3}{4}$	3	0	0 0	$\frac{3}{4}$	3	0	9 0

Ft. long	Side $24\frac{1}{2}$			Ft. long	Side $24\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	2	0	1	4	3	0
2	8	4	0	2	8	6	1
3	12	6	0	3	12	9	1
4	16	8	1	4	17	0	2
5	20	10	1	5	21	3	2
6	25	0	1	6	25	6	3
7	29	2	1	7	29	9	3
8	33	4	2	8	34	0	4
9	37	6	2	9	38	3	5
10	41	8	2	10	42	6	5
11	45	10	2	11	46	9	6
12	50	0	3	12	51	0	6
13	54	2	3	13	55	3	7
14	58	4	3	14	59	6	7
15	62	6	3	15	63	9	8
16	66	8	4	16	68	0	9
17	70	10	4	17	72	3	9
18	75	0	4	18	76	6	10
19	79	2	4	19	80	9	10
20	83	4	5	20	85	0	11
21	87	6	5	21	89	3	11
22	91	8	5	22	93	7	0
23	95	10	5	23	97	10	0
24	100	0	6	24	102	1	1
25	104	2	6	25	106	4	2
26	108	4	6	26	110	7	2
27	112	6	6	27	114	10	3
28	116	8	7	28	119	1	3
29	120	10	7	29	123	4	4
30	125	0	7	30	127	7	4
31	129	2	7	31	131	10	5
32	133	4	8	32	136	1	6
33	137	6	8	33	140	4	6
34	141	8	8	34	144	7	7
35	145	10	8	35	148	10	7
36	150	0	9	36	153	1	8
37	154	2	9	37	157	4	8
38	158	4	9	38	161	7	9
39	162	6	9	39	165	10	9
40	166	8	10	40	170	1	10
41	170	10	10	41	174	4	11
42	175	0	10	42	178	7	11
43	179	2	10	43	182	11	0
44	183	4	11	44	187	2	0
45	187	6	11	45	191	5	1

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	1	0	6	0	$\frac{1}{4}$	1	0	9	0
$\frac{1}{2}$	2	1	0	0	$\frac{1}{2}$	2	1	6	0
$\frac{3}{4}$	3	1	6	0	$\frac{3}{4}$	3	2	3	0

Ft. long	Side 25 Inch.			Ft. long	Side 25 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	4	1	1	4	5	1
2	8	8	2	2	8	10	3
3	13	0	3	3	13	3	4
4	17	4	4	4	17	8	6
5	21	8	5	5	22	1	7
6	26	0	6	6	26	6	9
7	30	4	7	7	30	11	10
8	34	8	8	8	35	5	0
9	39	0	9	9	39	10	2
10	43	4	10	10	44	3	3
11	47	8	11	11	48	8	5
12	52	1	0	12	53	1	6
13	56	5	1	13	57	6	8
14	60	9	2	14	61	11	9
15	65	1	3	15	66	4	11
16	69	5	4	16	70	10	1
17	73	9	5	17	75	3	2
18	78	1	6	18	79	8	4
19	82	5	7	19	84	1	5
20	86	9	8	20	88	6	7
21	91	1	9	21	92	11	8
22	95	5	10	22	97	4	10
23	99	9	11	23	101	9	11
24	104	2	0	24	106	3	1
25	108	6	1	25	110	8	3
26	112	10	2	26	115	1	4
27	117	2	3	27	119	6	6
28	121	6	4	28	123	11	7
29	125	10	5	29	128	4	9
30	130	2	6	30	132	9	10
31	134	6	7	31	137	3	0
32	138	10	8	32	141	8	2
33	143	2	9	33	146	1	3
34	147	6	10	34	150	6	5
35	151	10	11	35	154	11	6
36	156	3	0	36	159	4	8
37	160	7	1	37	163	9	9
38	164	11	2	38	168	2	11
39	169	3	3	39	172	8	0
40	173	7	4	40	177	1	2
41	177	11	5	41	181	6	4
42	182	3	6	42	185	11	5
43	186	7	7	43	190	4	7
44	190	11	8	44	194	9	8
45	195	3	9	45	199	2	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	1	0 3	$\frac{1}{4}$	1	1	3 3
$\frac{2}{4}$	2	2	0 6	$\frac{2}{4}$	2	2	6 6
$\frac{3}{4}$	3	3	0 9	$\frac{3}{4}$	3	3	9 9

Ft. long	Side 25 $\frac{1}{8}$			Ft. long	Side 25 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	6	2	1	4	7	3
2	9	0	4	2	9	2	6
3	13	6	6	3	13	9	9
4	18	0	9	4	18	5	0
5	22	6	11	5	23	0	3
6	27	1	1	6	27	7	6
7	31	7	3	7	32	2	9
8	36	1	6	8	36	10	0
9	40	7	8	9	41	5	3
10	45	1	10	10	46	0	6
11	49	8	0	11	50	7	9
12	54	2	3	12	55	3	0
13	58	8	5	13	59	10	3
14	63	2	7	14	64	5	6
15	67	8	9	15	69	0	9
16	72	3	0	16	73	8	1
17	76	9	2	17	78	3	4
18	81	3	4	18	82	10	7
19	85	9	6	19	87	5	10
20	90	3	9	20	92	1	1
21	94	9	11	21	96	8	4
22	99	4	1	22	101	3	7
23	103	10	3	23	105	10	10
24	108	4	6	24	110	6	1
25	112	10	8	25	115	1	4
26	117	4	10	26	119	8	7
27	121	11	0	27	124	3	10
28	126	5	3	28	128	11	1
29	130	11	5	29	133	6	4
30	135	5	7	30	138	1	7
31	139	11	9	31	142	8	10
32	144	6	0	32	147	4	2
33	149	0	2	33	151	11	5
34	153	6	4	34	156	6	8
35	158	0	6	35	161	1	11
36	162	6	9	36	165	9	2
37	167	0	11	37	170	4	5
38	171	7	1	38	174	11	8
39	176	1	3	39	179	6	11
40	180	7	6	40	184	2	2
41	185	1	8	41	188	9	5
42	189	7	10	42	193	4	8
43	194	2	0	43	197	11	11
44	198	8	3	44	202	7	2
45	203	2	5	45	207	2	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	1	6 6	$\frac{1}{4}$	1	1	9 9
$\frac{1}{2}$	2	3	1 0	$\frac{1}{2}$	2	3	7 6
$\frac{3}{4}$	3	4	7 6	$\frac{3}{4}$	3	5	5 3

Ft. long	Side 26 Inch.			Ft. long	Side 26 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	8	4	1	4	9	5
2	9	4	8	2	9	6	10
3	14	1	0	3	14	4	3
4	18	9	4	4	19	1	8
5	23	5	8	5	23	11	1
6	28	2	0	6	28	8	6
7	32	10	4	7	33	5	11
8	37	6	8	8	38	3	4
9	42	3	0	9	43	0	9
10	46	11	4	10	47	10	2
11	51	7	8	11	52	7	7
12	56	4	0	12	57	5	0
13	61	0	4	13	62	2	5
14	65	8	8	14	66	11	10
15	70	5	0	15	71	9	3
16	75	1	4	16	76	6	9
17	79	9	8	17	81	4	2
18	84	6	0	18	86	1	7
19	89	2	4	19	90	11	0
20	93	10	8	20	95	8	5
21	98	7	0	21	100	5	10
22	103	3	4	22	105	3	3
23	107	11	8	23	110	0	8
24	112	8	0	24	114	10	1
25	117	4	4	25	119	7	6
26	122	0	8	26	124	4	11
27	126	9	0	27	129	2	4
28	131	5	4	28	133	11	9
29	136	1	8	29	138	9	2
30	140	10	0	30	143	6	7
31	145	6	4	31	148	4	0
32	150	2	8	32	153	1	5
33	154	11	0	33	157	10	11
34	159	7	4	34	162	8	4
35	164	3	8	35	167	5	9
36	169	0	0	36	172	3	2
37	173	8	4	37	177	0	7
38	178	4	8	38	181	10	0
39	183	1	0	39	186	7	5
40	187	9	4	40	191	4	10
41	192	5	8	41	196	2	3
42	197	2	0	42	200	11	8
43	201	10	4	43	205	9	1
44	206	6	8	44	210	6	6
45	211	3	0	45	215	3	11

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	1	2	1	0	$\frac{1}{4}$	1	2	4	3
$\frac{2}{4}$	2	4	2	0	$\frac{2}{4}$	2	4	8	6
$\frac{3}{4}$	3	6	3	0	$\frac{3}{4}$	3	7	0	9

a.	Ft. long	Side 26 $\frac{1}{2}$			Ft. long	Ft. In. Pa.	Side 26 $\frac{1}{4}$		
		Ft.	In.	Pa.			Ft.	In.	Pa.
5	1	4	10	6	1	4	11	7	
0	2	9	9	0	2	9	11	3	
3	3	14	7	6	3	14	10	10	
8	4	19	6	1	4	19	10	6	
1	5	24	4	7	5	24	10	1	
6	6	29	3	1	6	29	9	9	
11	7	34	1	7	7	34	9	4	
4	8	39	0	2	8	39	9	0	
9	9	43	10	8	9	44	8	8	
2	10	48	9	2	10	49	8	3	
7	11	53	7	8	11	54	7	11	
0	12	58	6	3	12	59	7	6	
5	13	63	4	9	13	64	7	2	
10	14	68	3	3	14	69	6	9	
3	15	73	1	9	15	74	6	5	
9	16	78	0	4	16	79	6	1	
2	17	82	10	10	17	84	5	8	
7	18	87	9	4	18	89	5	4	
0	19	92	7	10	19	94	4	11	
5	20	97	6	5	20	99	4	7	
10	21	102	4	11	21	104	4	2	
3	22	107	3	5	22	109	3	10	
8	23	112	1	11	23	114	3	5	
1	24	117	0	6	24	119	3	1	
6	25	121	11	0	25	124	2	9	
11	26	126	9	6	26	129	2	4	
4	27	131	8	0	27	134	2	0	
9	28	136	6	7	28	139	1	7	
2	29	141	5	1	29	144	1	3	
7	30	146	3	7	30	149	0	10	
0	31	151	2	1	31	153	11	6	
5	32	156	0	8	32	158	11	2	
11	33	160	11	2	33	163	10	9	
4	34	165	9	8	34	168	10	5	
9	35	170	8	2	35	173	10	0	
2	36	175	6	9	36	178	10	8	
7	37	180	5	3	37	183	10	3	
0	38	185	3	9	38	188	9	11	
5	39	190	2	3	39	193	9	6	
10	40	195	0	10	40	198	9	2	
3	41	199	11	4	41	203	8	10	
8	42	204	9	10	42	208	8	5	
1	43	209	8	4	43	213	8	1	
6	44	214	6	11	44	218	7	8	
11	45	219	5	5	45	223	7	4	
Quarters of a Foot.									
a. S.	Ft. long	Ft. In. Pa. S.			Ft. long	Ft. In. Pa. S.			
		Ft.	In.	Pa. S.		Ft.	In.	Pa. S.	
		$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$		$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	
4 3	$\frac{1}{4}$	1	2	7 6	$\frac{1}{4}$	1	2	10 9	
8 6	$\frac{1}{2}$	2	5	3 0	$\frac{1}{2}$	2	5	9 6	
0 9	$\frac{3}{4}$	3	7	10 6	$\frac{3}{4}$	3	8	8 3	

Ft. long	Side 27 Inch.			Ft. long	Side 27 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	5	0	9	1	5	1	10
2	10	1	6	2	10	3	9
3	15	2	3	3	15	5	7
4	20	3	0	4	20	7	6
5	25	3	9	5	25	9	4
6	30	4	6	6	30	11	3
7	35	5	3	7	36	1	1
8	40	6	0	8	41	3	0
9	45	6	9	9	46	4	11
10	50	7	6	10	51	6	9
11	55	8	3	11	55	8	8
12	60	9	0	12	61	10	6
13	65	9	9	13	67	0	5
14	70	10	6	14	72	2	3
15	75	11	3	15	77	4	2
16	81	0	0	16	82	6	1
17	86	0	9	17	87	7	11
18	91	1	6	18	92	9	10
19	96	2	3	19	97	11	8
20	101	3	0	20	103	1	7
21	106	3	9	21	108	3	5
22	111	4	6	22	113	5	4
23	116	5	3	23	118	7	2
24	121	6	0	24	123	9	1
25	126	6	9	25	128	11	0
26	131	7	6	26	134	0	10
27	136	8	3	27	139	2	9
28	141	9	0	28	144	4	7
29	146	9	9	29	149	6	6
30	151	10	6	30	154	8	4
31	156	11	3	31	159	10	3
32	162	0	0	32	165	0	2
33	167	0	9	33	170	2	0
34	172	1	6	34	175	3	11
35	177	2	3	35	180	5	9
36	182	3	0	36	185	7	8
37	187	3	9	37	190	9	6
38	192	4	6	38	195	11	5
39	197	5	3	39	201	1	3
40	202	6	0	40	206	3	2
41	207	6	9	41	211	5	1
42	212	7	6	42	216	6	11
43	217	8	3	43	221	8	10
44	222	9	0	44	226	10	8
45	227	9	9	45	232	0	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	3	2 3	$\frac{1}{4}$	1	3	5 6
$\frac{1}{2}$	2	6	4 6	$\frac{1}{2}$	2	6	11 0
$\frac{3}{4}$	3	9	6 9	$\frac{3}{4}$	3	10	4 6

Ft. long	Side 27 $\frac{1}{2}$			Ft. long	Side 27 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	5	3	0	1	5	4	2
2	10	6	0	2	10	8	4
3	15	9	0	3	16	0	6
4	21	0	1	4	21	4	8
5	26	3	1	5	26	8	10
6	31	6	1	6	32	1	0
7	36	9	1	7	37	5	2
8	42	0	2	8	42	9	4
9	47	3	2	9	48	1	6
10	52	6	2	10	53	5	8
11	57	9	2	11	58	9	10
12	63	0	3	12	64	2	0
13	68	3	3	13	69	6	2
14	73	6	3	14	74	10	4
15	78	9	3	15	80	2	6
16	84	0	4	16	85	6	9
17	89	3	4	17	90	10	11
18	94	6	4	18	96	3	1
19	99	9	4	19	101	7	3
20	105	0	5	20	106	11	5
21	110	3	5	21	112	3	7
22	115	6	5	22	117	7	9
23	120	9	5	23	122	11	11
24	126	0	6	24	128	4	1
25	131	3	6	25	133	8	3
26	136	6	6	26	139	0	5
27	141	9	6	27	144	4	7
28	147	0	7	28	149	8	9
29	152	3	7	29	155	0	11
30	157	6	7	30	160	5	1
31	162	9	7	31	165	9	3
32	168	0	8	32	171	1	6
33	173	3	8	33	176	5	8
34	178	6	8	34	181	9	10
35	183	9	8	35	187	2	0
36	189	0	9	36	192	6	2
37	194	3	9	37	197	10	4
38	199	6	9	38	203	2	6
39	204	9	9	39	208	6	8
40	210	0	10	40	213	10	10
41	215	3	10	41	219	3	0
42	220	6	10	42	224	7	2
43	225	9	10	43	229	11	4
44	231	0	11	44	235	3	6
45	236	3	11	45	240	7	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	3	9 0	$\frac{1}{4}$	1	4	0 6
$\frac{1}{2}$	2	7	6 0	$\frac{1}{2}$	2	8	1 0
$\frac{3}{4}$	3	11	3 0	$\frac{3}{4}$	4	0	1 6

Ft. long	Side 28 Inch.			Ft. long	Side 28 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	5	5	4	1	5	6	6
2	10	10	8	2	11	1	0
3	16	4	0	3	16	7	6
4	21	9	4	4	22	2	0
5	27	2	8	5	27	8	6
6	32	8	0	6	33	3	0
7	38	1	4	7	38	9	6
8	43	6	8	8	44	4	0
9	49	0	0	9	49	10	6
10	54	5	4	10	55	5	0
11	59	10	8	11	60	11	6
12	65	4	0	12	66	6	0
13	70	9	4	13	72	0	6
14	76	2	8	14	77	7	0
15	81	8	0	15	83	1	6
16	87	1	4	16	88	8	1
17	92	6	8	17	94	2	7
18	98	0	0	18	99	9	1
19	103	5	4	19	105	3	7
20	108	10	8	20	110	10	1
21	114	4	0	21	116	4	7
22	119	9	4	22	121	11	1
23	125	2	8	23	127	5	7
24	130	8	0	24	133	0	1
25	136	1	4	25	138	6	7
26	141	6	8	26	144	1	1
27	147	0	0	27	149	7	7
28	152	5	4	28	155	2	1
29	157	10	8	29	160	8	7
30	163	4	0	30	166	3	1
31	168	9	4	31	171	9	7
32	174	2	8	32	177	4	2
33	179	8	0	33	182	10	8
34	185	1	4	34	188	5	2
35	190	6	8	35	193	11	8
36	196	0	0	36	199	6	2
37	201	5	4	37	205	0	8
38	206	10	8	38	210	7	2
39	212	4	0	39	216	1	8
40	217	9	4	40	221	8	2
41	223	2	8	41	227	2	8
42	228	8	0	42	232	9	2
43	234	1	4	43	238	3	8
44	239	6	8	44	243	10	2
45	245	0	0	45	249	4	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	4	4 0	$\frac{1}{4}$	1	4	7 6
$\frac{2}{4}$	2	8	8 0	$\frac{2}{4}$	2	9	3 0
$\frac{3}{4}$	4	1	0 0	$\frac{3}{4}$	4	1	10 6

Ft. long	Side 28 $\frac{1}{2}$			Ft. long	Side 28 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	5	7	8	1	5	8	10
2	11	3	4	2	11	5	9
3	16	11	0	3	17	2	7
4	22	6	9	4	22	11	6
5	28	2	5	5	28	8	4
6	33	10	1	6	34	5	3
7	39	5	9	7	40	2	1
8	45	1	6	8	45	11	0
9	50	9	2	9	51	7	11
10	56	4	10	10	57	4	9
11	62	0	6	11	63	1	8
12	67	8	3	12	68	10	6
13	73	3	11	13	74	7	5
14	78	11	7	14	80	4	3
15	84	7	3	15	86	1	2
16	90	3	0	16	91	10	1
17	95	10	8	17	97	6	11
18	101	6	4	18	103	3	10
19	107	2	0	19	109	0	8
20	112	9	9	20	114	9	7
21	118	5	5	21	120	6	5
22	124	1	1	22	126	3	4
23	129	8	9	23	132	0	2
24	135	4	6	24	137	9	1
25	141	0	2	25	143	6	0
26	146	7	10	26	149	2	10
27	152	3	6	27	154	11	9
28	157	11	3	28	160	8	7
29	163	6	11	29	166	5	6
30	169	2	7	30	172	2	4
31	174	10	3	31	177	11	3
32	180	6	0	32	183	8	2
33	186	1	8	33	189	5	0
34	191	9	4	34	195	1	11
35	197	5	0	35	200	10	9
36	203	0	9	36	206	7	8
37	208	8	5	37	212	4	6
38	214	4	1	38	218	1	5
39	219	11	9	39	223	10	3
40	225	7	6	40	229	7	2
41	231	3	2	41	235	4	1
42	236	10	10	42	241	0	11
43	242	6	6	43	246	9	9
44	248	2	3	44	252	6	7
45	253	9	11	45	258	3	0
Quarters of a Foot.				Quarters of a Foot.			
$\frac{1}{4}$	Ft.	In.	Pa. S.	$\frac{1}{4}$	Ft.	In.	Pa. S.
	1	4	11 0		1	5	2 6
	2	9	10 0		2	10	5 0
$\frac{1}{2}$	4	2	0 0	$\frac{1}{2}$	4	3	7 6

Ft. long	Side 29 Inch.			Ft. long	Side 29 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	5	10	1	1	5	11	3
2	11	8	2	2	11	10	7
3	17	6	3	3	17	9	10
4	23	4	4	4	23	9	2
5	29	2	5	5	29	8	5
6	35	0	6	6	35	7	9
7	40	10	7	7	41	7	0
8	46	8	8	8	47	6	4
9	52	6	9	9	53	5	8
10	58	4	10	10	59	4	11
11	64	2	11	11	65	4	3
12	70	1	0	12	71	3	6
13	75	11	1	13	77	2	10
14	81	9	2	14	83	2	1
15	87	7	3	15	89	1	5
16	93	5	4	16	95	0	9
17	99	3	5	17	101	0	0
18	105	1	6	18	106	11	4
19	110	11	7	19	112	10	7
20	116	9	8	20	118	9	11
21	122	7	9	21	124	9	2
22	128	5	10	22	130	8	6
23	134	3	11	23	136	7	9
24	140	2	0	24	142	7	1
25	146	0	1	25	148	6	5
26	151	10	2	26	154	5	8
27	157	8	3	27	160	5	0
28	163	6	4	28	166	4	3
29	169	4	5	29	172	3	7
30	175	2	6	30	178	2	10
31	181	0	7	31	184	2	2
32	186	10	8	32	190	1	6
33	192	8	9	33	196	0	9
34	198	6	10	34	202	0	1
35	204	4	11	35	207	11	4
36	210	3	0	36	213	10	8
37	216	1	1	37	219	9	11
38	221	11	2	38	225	9	3
39	227	9	3	39	231	8	6
40	233	7	4	40	237	7	10
41	239	5	5	41	243	7	2
42	245	3	6	42	249	6	5
43	251	1	7	43	255	5	9
44	256	11	8	44	261	5	0
45	262	9	9	45	267	4	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{3}{4}$	1	5	6 3	$\frac{3}{4}$	1	5	9 9
$\frac{1}{2}$	2	11	0 6	$\frac{1}{2}$	2	11	7 6
$\frac{1}{4}$	4	4	6 9	$\frac{1}{4}$	4	5	5 3

Ft. long	Side 29 $\frac{1}{2}$			Ft. long	Side 29 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	6	0	6	1	6	1	9
2	12	1	0	2	12	3	6
3	18	1	6	3	18	5	3
4	24	2	1	4	24	7	0
5	30	2	7	5	30	8	9
6	36	3	1	6	36	10	6
7	42	3	7	7	43	0	3
8	48	4	2	8	49	2	0
9	54	4	8	9	55	3	9
10	60	5	2	10	61	5	6
11	66	5	8	11	67	7	3
12	72	6	3	12	73	9	0
13	78	6	9	13	79	10	9
14	84	7	3	14	86	0	6
15	90	7	9	15	92	2	3
16	96	8	4	16	98	4	0
17	102	8	10	17	104	5	10
18	108	9	4	18	110	7	7
19	114	9	10	19	116	9	4
20	120	10	5	20	122	11	1
21	126	10	11	21	129	0	10
22	132	11	5	22	135	2	7
23	138	11	11	23	141	4	4
24	145	0	6	24	147	6	1
25	151	1	0	25	153	7	10
26	157	1	6	26	159	9	7
27	163	2	0	27	165	11	4
28	169	2	7	28	172	1	1
29	175	3	1	29	178	2	10
30	181	3	7	30	184	4	7
31	187	4	1	31	190	6	4
32	193	4	8	32	196	8	2
33	199	5	2	33	202	9	11
34	205	5	8	34	208	11	8
35	211	6	2	35	215	1	5
36	217	6	9	36	221	3	2
37	223	7	3	37	227	4	11
38	229	7	9	38	233	6	8
39	235	8	3	39	239	8	5
40	241	8	10	40	245	10	2
41	247	9	4	41	251	11	11
42	253	9	10	42	258	1	8
43	259	10	4	43	264	3	5
44	265	10	11	44	270	5	2
45	271	11	5	45	276	6	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	6	1 6	$\frac{1}{4}$	1	6	5 3
$\frac{1}{2}$	3	0	3 0	$\frac{1}{2}$	3	0	10 6
$\frac{3}{4}$	4	6	4 6	$\frac{3}{4}$	4	7	3 9

Ft. long	Side 30 Inch.			Ft. long	Side 30 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	6	3	0	1	6	4	3
2	12	6	0	2	12	8	6
3	18	9	0	3	19	0	9
4	25	0	0	4	25	5	0
5	31	3	0	5	31	9	3
6	37	6	0	6	38	1	6
7	43	9	0	7	44	5	9
8	50	0	0	8	50	10	0
9	56	3	0	9	57	2	3
10	62	6	0	10	63	6	6
11	68	9	0	11	69	10	9
12	75	0	0	12	76	3	0
13	81	3	0	13	82	7	3
14	87	6	0	14	88	11	6
15	93	9	0	15	95	3	9
16	100	0	0	16	101	8	1
17	106	3	0	17	108	0	4
18	112	6	0	18	114	4	7
19	118	9	0	19	120	8	10
20	125	0	0	20	127	1	1
21	131	3	0	21	133	5	4
22	137	6	0	22	139	9	7
23	143	9	0	23	146	1	10
24	150	0	0	24	152	6	1
25	156	3	0	25	158	10	4
26	162	6	0	26	165	2	7
27	168	9	0	27	171	6	10
28	175	0	0	28	177	11	1
29	181	3	0	29	184	3	4
30	187	6	0	30	190	7	7
31	193	9	0	31	196	11	10
32	200	0	0	32	203	4	2
33	206	3	0	33	209	8	5
34	212	6	0	34	216	0	8
35	218	9	0	35	222	4	11
36	225	0	0	36	228	9	2
37	231	3	0	37	235	1	5
38	237	6	0	38	241	5	8
39	243	9	0	39	247	9	11
40	250	0	0	40	254	2	2
41	256	3	0	41	260	6	5
42	262	6	0	42	266	10	8
43	268	9	0	43	273	2	11
44	275	0	0	44	279	7	2
45	281	3	0	45	285	11	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	6	9 0	$\frac{1}{4}$	1	7	0 9
$\frac{1}{2}$	3	1	6 0	$\frac{1}{2}$	3	2	1 6
$\frac{3}{4}$	4	8	3 0	$\frac{3}{4}$	4	9	2 3

Ft. long	Side 30 $\frac{1}{2}$			Ft. long	Side 30 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	6	5	6	1	6	6	9
2	12	11	0	2	13	1	7
3	19	4	6	3	19	8	4
4	25	10	1	4	26	3	2
5	32	3	7	5	32	9	11
6	38	9	1	6	39	4	9
7	45	2	7	7	45	11	6
8	51	8	2	8	52	6	4
9	58	1	8	9	59	1	2
10	64	7	2	10	65	7	11
11	71	0	8	11	72	2	10
12	77	6	3	12	78	9	6
13	83	11	9	13	85	4	4
14	90	5	3	14	91	11	1
15	96	10	9	15	98	5	11
16	103	4	4	16	105	0	9
17	109	9	10	17	111	7	6
18	116	3	4	18	118	2	4
19	122	8	10	19	124	9	1
20	129	2	5	20	131	3	11
21	135	7	11	21	137	10	8
22	142	1	5	22	144	5	6
23	148	6	11	23	151	0	3
24	155	0	6	24	157	7	1
25	161	6	0	25	164	1	11
26	167	11	6	26	170	8	8
27	174	5	0	27	177	3	6
28	180	10	7	28	183	10	3
29	187	4	1	29	190	5	1
30	193	9	7	30	196	11	10
31	200	3	1	31	203	6	8
32	206	8	8	32	210	1	6
33	213	2	2	33	216	8	3
34	219	7	8	34	223	3	1
35	226	1	2	35	229	9	10
36	232	6	9	36	236	4	8
37	239	0	3	37	242	11	5
38	245	5	9	38	249	6	3
39	251	11	3	39	256	1	0
40	258	4	10	40	262	7	10
41	264	10	4	41	269	2	7
42	271	3	10	42	275	9	5
43	277	9	4	43	282	4	2
44	284	2	11	44	288	11	0
45	290	8	5	45	295	5	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	7	4 6	$\frac{1}{4}$	1	7	8 3
$\frac{2}{4}$	3	2	9 0	$\frac{2}{4}$	3	3	4 6
$\frac{3}{4}$	4	10	1 6	$\frac{3}{4}$	4	11	0 9

Ft. long	Side 31 Inch.			Ft. long	Side 31 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	6	8	1	1	6	9	4
2	13	4	2	2	13	6	9
3	20	0	3	3	20	4	1
4	26	8	4	4	27	1	6
5	33	4	5	5	33	10	10
6	40	0	6	6	40	8	3
7	46	8	7	7	47	5	7
8	53	4	8	8	54	3	0
9	60	0	9	9	61	0	5
10	66	8	10	10	67	9	9
11	73	4	11	11	74	7	2
12	80	1	0	12	81	4	6
13	86	9	1	13	88	1	11
14	93	5	2	14	94	11	3
15	100	1	3	15	101	8	8
16	106	9	4	16	108	6	1
17	113	5	5	17	115	3	5
18	120	1	6	18	122	0	10
19	126	9	7	19	128	10	2
20	133	5	8	20	135	7	7
21	140	1	9	21	142	4	11
22	146	9	10	22	149	2	4
23	153	5	11	23	155	11	8
24	160	2	0	24	162	9	1
25	166	10	1	25	169	6	6
26	173	6	2	26	176	3	10
27	180	2	3	27	183	1	3
28	186	10	4	28	189	10	7
29	193	6	5	29	196	8	0
30	200	2	6	30	203	5	4
31	206	10	7	31	210	2	9
32	213	6	8	32	217	0	2
33	220	2	9	33	223	9	6
34	226	10	10	34	230	6	11
35	233	6	11	35	237	4	3
36	240	3	0	36	244	1	8
37	246	11	1	37	250	11	0
38	253	7	2	38	257	8	1
39	260	3	3	39	264	5	9
40	266	11	4	40	271	3	2
41	273	7	5	41	278	0	7
42	280	3	6	42	284	9	11
43	286	11	7	43	291	7	4
44	293	7	8	44	298	4	8
45	300	3	9	45	305	2	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S		Ft.	In.	Pa. S
$\frac{1}{4}$	1	8	0 3	$\frac{1}{4}$	1	8	4 0
$\frac{1}{2}$	3	4	0 6	$\frac{1}{2}$	3	4	8 0
$\frac{3}{4}$	5	0	0 9	$\frac{3}{4}$	5	1	0 0

Ft. long	Side 31 $\frac{1}{2}$			Ft. long	Side 31 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	6	10	8	1	7	0	0
2	13	9	4	2	14	0	0
3	20	8	0	3	21	0	0
4	27	6	9	4	28	0	0
5	34	5	5	5	35	0	0
6	41	4	1	6	42	0	0
7	48	2	9	7	49	0	0
8	55	1	6	8	56	0	0
9	62	0	2	9	63	0	0
10	68	10	10	10	70	0	0
11	75	9	6	11	77	0	0
12	82	8	3	12	84	0	0
13	89	6	11	13	91	0	0
14	96	5	7	14	98	0	0
15	103	4	3	15	105	0	0
16	110	3	0	16	112	0	1
17	117	1	8	17	119	0	1
18	124	0	4	18	126	0	1
19	130	11	0	19	133	0	1
20	137	9	9	20	140	0	1
21	144	8	5	21	147	0	1
22	151	7	1	22	154	0	1
23	158	5	9	23	161	0	1
24	165	4	6	24	168	0	1
25	172	3	2	25	175	0	1
26	179	1	10	26	182	0	1
27	185	0	6	27	189	0	1
28	192	11	3	28	196	0	1
29	199	9	11	29	203	0	1
30	206	8	7	30	210	0	1
31	213	7	3	31	217	0	1
32	220	6	0	32	224	0	2
33	227	4	8	33	231	0	2
34	234	3	4	34	238	0	2
35	241	2	0	35	245	0	2
36	248	0	9	36	252	0	2
37	254	11	5	37	259	0	2
38	261	10	1	38	266	0	2
39	268	8	9	39	273	0	2
40	275	7	6	40	280	0	2
41	282	6	2	41	287	0	2
42	289	4	10	42	294	0	2
43	296	3	6	43	301	0	2
44	303	2	3	44	308	0	2
45	310	0	11	45	315	0	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	1	8	8 0	1	1	9	0 0
3	3	5	4 0	3	3	6	0 0
5	5	2	0 0	5	5	3	0 0

Ft. long	Side 32 Inch.			Ft. long	Side 32 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	7	1	4	1	7	2	8
2	14	2	8	2	14	5	4
3	21	4	0	3	21	8	0
4	28	5	4	4	28	10	8
5	35	6	8	5	36	1	4
6	42	8	0	6	43	4	0
7	49	9	4	7	50	6	8
8	56	10	8	8	57	9	4
9	64	0	0	9	65	0	0
10	71	1	4	10	72	2	8
11	78	2	8	11	79	5	4
12	85	4	0	12	86	8	0
13	92	5	4	13	93	10	8
14	99	6	8	14	101	1	4
15	106	8	0	15	108	4	0
16	113	9	4	16	115	6	9
17	120	10	8	17	122	9	5
18	128	0	0	18	130	0	1
19	135	1	4	19	137	2	9
20	142	2	8	20	144	5	5
21	149	4	0	21	151	8	1
22	156	5	4	22	158	10	9
23	163	6	8	23	166	1	5
24	170	8	0	24	173	4	1
25	177	9	4	25	180	6	9
26	184	10	8	26	187	9	5
27	192	0	0	27	195	0	1
28	199	1	4	28	202	2	9
29	206	2	8	29	209	5	5
30	213	4	0	30	216	8	1
31	220	5	4	31	223	10	9
32	227	6	8	32	231	1	6
33	234	8	0	33	238	4	2
34	241	9	4	34	245	6	10
35	248	10	8	35	252	9	6
36	256	0	0	36	260	0	2
37	263	1	4	37	267	2	10
38	270	2	8	38	274	5	6
39	277	4	0	39	281	8	2
40	284	5	4	40	288	10	10
41	291	6	8	41	296	1	6
42	298	8	0	42	303	4	2
43	305	9	4	43	310	6	10
44	312	10	8	44	317	9	6
45	320	0	0	45	325	0	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	9	4 0	$\frac{1}{4}$	1	9	8 0
$\frac{1}{2}$	3	6	8 0	$\frac{1}{2}$	3	7	4 0
$\frac{3}{4}$	5	4	0 0	$\frac{3}{4}$	5	5	0 0

Ft. long.	Side 32 $\frac{1}{2}$			Ft. long.	Side 32 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	7	4	0	1	7	5	4
2	14	8	0	2	14	10	9
3	22	0	0	3	22	4	1
4	29	4	1	4	29	9	6
5	36	8	1	5	37	2	10
6	44	0	1	6	44	8	3
7	51	4	1	7	52	1	7
8	58	8	2	8	59	7	0
9	66	0	2	9	67	0	5
10	73	4	2	10	74	5	9
11	80	8	2	11	81	11	2
12	88	0	3	12	89	4	6
13	95	4	3	13	96	9	11
14	102	8	3	14	104	3	3
15	110	0	3	15	111	8	8
16	117	4	4	16	119	2	1
17	124	8	4	17	126	7	5
18	132	0	4	18	134	0	10
19	139	4	4	19	141	6	2
20	146	8	5	20	148	11	7
21	154	0	5	21	156	4	11
22	161	4	5	22	163	10	4
23	168	8	5	23	171	3	8
24	176	0	6	24	178	9	1
25	183	4	6	25	186	2	6
26	190	8	6	26	193	7	10
27	198	0	6	27	201	1	3
28	205	4	7	28	208	6	7
29	212	8	7	29	216	0	0
30	220	0	7	30	223	5	4
31	227	4	7	31	230	10	9
32	234	8	8	32	238	4	2
33	242	0	8	33	245	9	6
34	249	4	8	34	253	2	11
35	256	8	8	35	260	8	3
36	264	0	9	36	268	1	8
37	271	4	9	37	275	7	0
38	278	8	9	38	283	0	5
39	286	0	9	39	290	5	9
40	293	4	10	40	297	11	2
41	300	8	10	41	305	4	7
42	308	0	10	42	312	9	11
43	315	4	10	43	320	3	4
44	322	8	11	44	327	8	8
45	330	0	11	45	335	2	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	10	0 0	$\frac{1}{4}$	1	10	4 0
$\frac{1}{2}$	3	8	0 0	$\frac{1}{2}$	3	8	8 0
$\frac{3}{4}$	5	6	0 0	$\frac{3}{4}$	5	7	0 0

Ft. long	Side 33 Inch.			Ft. long	Side 33 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	7	6	9	1	7	8	1
2	15	1	6	2	15	4	3
3	22	8	3	3	23	0	4
4	30	3	0	4	30	8	6
5	37	9	9	5	38	4	7
6	45	4	6	6	46	0	9
7	52	11	3	7	53	8	10
8	60	6	0	8	61	5	0
9	68	0	9	9	69	1	2
10	75	7	6	10	76	9	3
11	83	2	3	11	84	5	5
12	90	9	0	12	92	1	6
13	98	3	9	13	99	8	8
14	105	10	6	14	107	5	9
15	113	5	3	15	115	1	11
16	121	0	0	16	122	10	1
17	128	6	9	17	130	6	2
18	136	1	6	18	138	2	4
19	143	8	3	19	145	10	5
20	151	3	0	20	153	6	7
21	158	9	9	21	161	2	8
22	166	4	6	22	168	10	10
23	173	11	3	23	176	6	11
24	181	6	0	24	184	3	1
25	189	0	9	25	191	11	3
26	196	7	6	26	199	7	4
27	204	2	3	27	207	3	6
28	211	9	0	28	214	11	7
29	219	3	9	29	222	7	9
30	226	10	6	30	230	3	10
31	234	5	3	31	238	0	0
32	242	0	0	32	245	8	2
33	249	6	9	33	253	4	3
34	257	1	6	34	261	0	5
35	264	8	3	35	268	8	6
36	272	3	0	36	276	4	8
37	279	9	9	37	284	0	9
38	287	4	6	38	291	8	11
39	294	11	3	39	299	5	0
40	302	6	0	40	307	1	2
41	310	0	9	41	314	9	4
42	317	7	6	42	322	5	5
43	325	2	3	43	330	1	7
44	332	9	0	44	337	9	8
45	340	3	9	45	345	5	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	10	8 3	$\frac{1}{4}$	1	11	0 3
$\frac{1}{2}$	3	9	4 6	$\frac{1}{2}$	3	10	0 6
$\frac{3}{4}$	5	8	0 9	$\frac{3}{4}$	5	9	0 9

Ft. long	Side 33 $\frac{1}{2}$			Ft. long	Side 33 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	7	9	6	1	7	10	11
2	15	7	0	2	15	9	10
3	23	4	6	3	23	8	9
4	31	2	1	4	31	7	8
5	38	11	7	5	39	6	7
6	46	9	1	6	47	5	6
7	54	6	7	7	55	4	5
8	62	4	2	8	63	3	4
9	70	1	8	9	71	2	3
10	77	11	2	10	79	1	2
11	85	8	8	11	87	0	1
12	93	6	3	12	94	11	0
13	101	3	9	13	102	9	11
14	109	1	3	14	110	8	10
15	116	10	9	15	118	7	9
16	124	8	4	16	126	6	9
17	132	5	10	17	134	5	8
18	140	3	4	18	142	4	7
19	148	0	10	19	150	3	6
20	155	10	5	20	158	2	5
21	163	7	11	21	166	1	4
22	171	5	5	22	174	0	3
23	179	2	11	23	181	11	2
24	187	0	6	24	189	10	1
25	194	10	0	25	197	9	0
26	202	7	6	26	205	7	11
27	210	5	0	27	213	6	10
28	218	2	7	28	221	5	9
29	226	0	1	29	229	4	8
30	233	9	7	30	237	3	7
31	241	7	1	31	245	2	6
32	249	4	8	32	253	1	6
33	257	2	2	33	261	0	5
34	264	11	8	34	268	11	4
35	272	9	2	35	276	10	3
36	280	6	9	36	284	9	2
37	288	4	3	37	292	8	1
38	296	1	9	38	300	7	0
39	303	11	3	39	308	5	11
40	311	8	10	40	316	4	10
41	319	6	4	41	324	3	9
42	327	3	10	42	332	2	8
43	335	1	4	43	340	1	7
44	342	10	11	44	348	0	6
45	350	8	5	45	355	11	5

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	1	11	4	6	$\frac{1}{4}$	1	11	8	9
$\frac{1}{2}$	3	10	9	0	$\frac{1}{2}$	3	11	5	6
$\frac{3}{4}$	5	10	1	6	$\frac{3}{4}$	5	11	2	3

Ft. long	Side 34 Inch.			Ft. long	Side 34 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	8	0	4	1	8	1	9
2	16	0	8	2	16	3	6
3	24	1	0	3	24	5	3
4	32	1	4	4	32	7	0
5	40	1	8	5	40	8	9
6	48	2	0	6	48	10	6
7	56	2	4	7	57	0	3
8	64	2	8	8	65	2	0
9	72	3	0	9	73	3	9
10	80	3	4	10	81	5	6
11	88	3	8	11	89	7	3
12	96	4	0	12	97	9	0
13	104	4	4	13	105	10	9
14	112	4	8	14	114	0	7
15	120	5	0	15	122	2	3
16	128	5	4	16	130	4	1
17	136	5	8	17	138	5	10
18	144	6	0	18	146	7	7
19	152	6	4	19	154	9	4
20	160	6	8	20	162	11	1
21	168	7	0	21	171	0	10
22	176	7	4	22	179	2	7
23	184	7	8	23	187	4	4
24	192	8	0	24	195	6	1
25	200	8	4	25	203	7	10
26	208	8	8	26	211	9	7
27	216	9	0	27	219	11	4
28	224	9	4	28	228	1	1
29	232	9	8	29	236	2	10
30	240	10	0	30	244	4	7
31	248	10	4	31	252	6	4
32	256	10	8	32	260	8	2
33	264	11	0	33	268	9	11
34	272	11	4	34	276	11	8
35	280	11	8	35	285	1	5
36	289	0	0	36	293	3	2
37	297	0	4	37	301	4	11
38	305	0	8	38	309	6	8
39	313	1	0	39	317	8	5
40	321	1	4	40	325	10	2
41	329	1	8	41	333	11	11
42	337	2	0	42	342	1	8
43	345	2	4	43	350	3	5
44	353	2	8	44	358	5	2
45	361	3	0	45	366	6	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	0	1 0	$\frac{1}{4}$	2	0	5 3
$\frac{1}{2}$	4	0	2 0	$\frac{1}{2}$	4	0	10 9
$\frac{3}{4}$	6	0	3 0	$\frac{3}{4}$	6	1	3 9

Ft. long	Side $34\frac{1}{2}$			Ft. long	Side $34\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	8	3	2	1	8	4	7
2	16	6	4	2	16	9	3
3	24	9	6	3	25	1	10
4	33	0	9	4	33	6	6
5	41	3	11	5	41	11	1
6	49	7	1	6	50	3	9
7	57	10	3	7	58	8	4
8	65	1	6	8	67	1	0
9	74	4	8	9	75	5	8
10	82	7	10	10	83	10	3
11	90	11	0	11	92	2	11
12	99	2	3	12	100	7	6
13	107	5	5	13	109	0	2
14	115	8	7	14	117	4	9
15	123	11	9	15	125	9	5
16	132	3	0	16	134	2	1
17	140	6	2	17	142	6	8
18	148	9	4	18	150	11	4
19	157	0	6	19	159	3	11
20	165	3	9	20	167	8	7
21	173	6	11	21	176	1	2
22	181	10	1	22	184	5	10
23	190	1	3	23	192	10	5
24	198	4	6	24	201	3	1
25	206	7	8	25	209	7	9
26	214	10	10	26	218	0	4
27	223	2	0	27	226	5	0
28	231	5	3	28	234	9	7
29	239	8	5	29	243	2	3
30	247	11	7	30	251	6	10
31	256	2	9	31	259	11	6
32	264	6	0	32	268	4	2
33	272	9	2	33	276	8	9
34	281	0	4	34	285	1	5
35	289	3	6	35	293	6	0
36	297	6	9	36	301	10	8
37	305	9	11	37	310	3	3
38	314	1	1	38	318	7	11
39	322	4	3	39	327	0	6
40	330	7	6	40	335	5	2
41	338	10	8	41	343	9	10
42	347	1	10	42	352	2	5
43	355	5	0	43	360	7	1
44	363	8	3	44	368	11	8
45	371	11	5	45	377	4	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	0	9 6	$\frac{1}{4}$	2	1	1 9
$\frac{2}{4}$	4	1	7 0	$\frac{2}{4}$	4	2	3 6
$\frac{3}{4}$	6	2	4 6	$\frac{3}{4}$	6	2	5 3

Ft. long	Side 35 Inch.			Ft. long	Side 35 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	8	6	1	1	8	7	6
2	17	0	2	2	17	3	1
3	25	6	3	3	25	10	7
4	34	0	4	4	34	6	2
5	42	6	5	5	43	1	8
6	51	0	6	6	51	9	3
7	59	6	7	7	60	4	9
8	68	0	8	8	69	0	4
9	76	6	9	9	77	7	11
10	85	0	10	10	86	3	5
11	93	6	11	11	94	11	0
12	102	1	0	12	103	6	6
13	110	7	1	13	112	2	1
14	119	1	2	14	120	9	7
15	127	7	3	15	129	5	2
16	136	1	4	16	138	0	9
17	144	7	5	17	146	8	3
18	153	1	6	18	155	3	10
19	161	7	7	19	163	11	4
20	170	1	8	20	172	6	11
21	178	7	9	21	181	2	5
22	187	1	10	22	189	10	0
23	195	7	11	23	198	5	6
24	204	2	0	24	207	1	1
25	212	8	1	25	215	8	8
26	221	2	2	26	224	4	2
27	229	8	3	27	232	11	9
28	238	2	4	28	241	7	3
29	246	8	5	29	250	2	10
30	255	2	6	30	258	10	4
31	263	8	7	31	267	5	11
32	272	2	8	32	276	1	6
33	280	8	9	33	284	9	0
34	289	2	10	34	293	4	7
35	297	8	11	35	302	0	1
36	306	3	0	36	310	7	8
37	314	9	1	37	319	3	2
38	323	3	2	38	327	10	9
39	331	9	3	39	336	6	3
40	340	3	4	40	345	1	10
41	348	9	5	41	353	9	5
42	357	3	6	42	362	4	11
43	365	9	7	43	371	0	6
44	374	3	8	44	379	8	9
45	382	9	9	45	388	3	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	1	6 3	$\frac{1}{4}$	2	1	10 6
$\frac{1}{2}$	4	3	0 6	$\frac{1}{2}$	4	3	9 0
$\frac{3}{4}$	6	4	5 9	$\frac{3}{4}$	6	5	7 6

Ft. long	Side 35 $\frac{1}{2}$			Ft. long	Side 35 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	8	9	0	1	8	10	6
2	17	6	0	2	17	9	0
3	26	3	0	3	26	7	6
4	35	0	1	4	35	6	0
5	43	9	1	5	44	4	6
6	52	6	1	6	53	3	0
7	61	3	1	7	62	1	6
8	70	0	2	8	71	0	0
9	78	9	2	9	79	10	6
10	87	6	2	10	88	9	0
11	95	3	2	11	97	7	6
12	105	0	3	12	106	6	0
13	113	9	3	13	115	4	6
14	122	6	3	14	124	3	0
15	131	3	3	15	133	1	6
16	140	0	4	16	142	0	1
17	148	9	4	17	150	10	7
18	157	6	4	18	159	9	1
19	166	3	4	19	168	7	7
20	175	0	5	20	177	6	1
21	183	9	5	21	186	4	7
22	192	6	5	22	195	3	1
23	201	3	5	23	204	1	7
24	210	0	6	24	213	0	1
25	218	9	6	25	221	10	7
26	227	6	6	26	230	9	1
27	236	3	6	27	239	7	7
28	245	0	7	28	248	6	1
29	253	9	7	29	257	4	7
30	262	6	7	30	266	3	1
31	271	3	7	31	275	1	7
32	280	0	8	32	284	0	2
33	288	9	8	33	292	10	8
34	297	6	8	34	301	9	2
35	306	3	8	35	310	7	8
36	315	0	9	36	319	6	2
37	323	9	9	37	328	4	8
38	332	6	9	38	337	3	2
39	341	3	9	39	346	1	8
40	350	0	10	40	355	0	2
41	358	9	10	41	363	10	8
42	367	6	10	42	372	9	2
43	376	3	10	43	381	7	8
44	385	0	11	44	390	6	2
45	393	9	11	45	399	4	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	2	3 0	$\frac{1}{4}$	2	2	7 6
$\frac{1}{2}$	4	4	6 0	$\frac{1}{2}$	4	5	3 0
$\frac{3}{4}$	6	6	9 0	$\frac{3}{4}$	6	7	10 6

Ft. long	Side 36 Inch.			Ft. long	Side 36 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	9	0	0	1	9	1	6
2	18	0	0	2	18	3	0
3	27	0	0	3	27	4	6
4	36	0	0	4	36	6	0
5	45	0	0	5	45	7	6
6	54	0	0	6	54	9	0
7	63	0	0	7	63	10	6
8	72	0	0	8	73	0	0
9	81	0	0	9	82	1	6
10	90	0	0	10	91	3	0
11	99	0	0	11	100	4	6
12	108	0	0	12	109	6	0
13	117	0	0	13	118	7	6
14	126	0	0	14	127	9	0
15	135	0	0	15	136	10	6
16	144	0	0	16	146	0	1
17	153	0	0	17	155	1	7
18	162	0	0	18	164	3	1
19	171	0	0	19	173	4	7
20	180	0	0	20	182	6	1
21	189	0	0	21	191	7	7
22	198	0	0	22	200	9	1
23	207	0	0	23	209	10	7
24	216	0	0	24	219	0	1
25	225	0	0	25	228	1	7
26	234	0	0	26	237	3	1
27	243	0	0	27	246	4	7
28	252	0	0	28	255	6	1
29	261	0	0	29	264	7	7
30	270	0	0	30	273	9	1
31	279	0	0	31	282	10	7
32	288	0	0	32	292	0	2
33	297	0	0	33	301	1	8
34	306	0	0	34	310	3	2
35	315	0	0	35	319	4	8
36	324	0	0	36	328	6	2
37	333	0	0	37	337	7	8
38	342	0	0	38	346	9	2
39	351	0	0	39	355	10	8
40	360	0	0	40	365	0	2
41	369	0	0	41	374	1	8
42	378	0	0	42	383	3	2
43	387	0	0	43	392	4	8
44	396	0	0	44	401	6	2
45	405	0	0	45	410	7	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	3	0 0	$\frac{1}{4}$	2	3	4 6
$\frac{1}{2}$	4	6	0 0	$\frac{1}{2}$	4	6	9 0
$\frac{3}{4}$	6	9	0 0	$\frac{3}{4}$	5	10	1 6

Ft. long	Side 36 $\frac{1}{2}$			Ft. long	Side 36 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	9	3	0	1	9	4	6
2	18	6	0	2	18	9	1
3	27	9	0	3	28	1	7
4	37	0	1	4	37	6	2
5	46	3	1	5	46	10	8
6	55	6	1	6	56	3	3
7	64	9	1	7	65	7	9
8	74	0	2	8	75	0	4
9	83	3	2	9	84	4	11
10	92	6	2	10	93	9	5
11	101	9	2	11	103	2	0
12	111	0	3	12	112	6	6
13	120	3	3	13	121	11	1
14	129	6	3	14	131	3	7
15	138	9	3	15	140	8	2
16	148	0	4	16	150	0	9
17	157	3	4	17	159	5	3
18	166	6	4	18	168	9	10
19	175	9	4	19	178	2	4
20	185	0	5	20	187	6	11
21	194	3	5	21	196	11	5
22	203	6	5	22	206	4	0
23	212	9	5	23	215	8	6
24	222	0	6	24	225	1	1
25	231	3	6	25	234	5	8
26	240	6	6	26	243	10	2
27	249	9	6	27	253	2	9
28	259	0	7	28	262	7	3
29	268	3	7	29	271	11	10
30	277	6	7	30	281	4	4
31	289	9	7	31	290	8	11
32	296	0	8	32	300	1	6
33	305	3	8	33	309	6	0
34	314	6	8	34	318	10	7
35	323	9	8	35	328	3	1
36	333	0	9	36	337	7	8
37	342	3	9	37	347	0	2
38	351	6	9	38	356	4	9
39	360	9	9	39	365	9	3
40	370	0	10	40	375	1	10
41	379	3	10	41	384	6	5
42	388	6	10	42	393	10	11
43	397	9	10	43	403	3	6
44	407	0	11	44	412	8	0
45	416	3	11	45	422	0	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	3	9 0	$\frac{1}{4}$	2	4	1 6
$\frac{1}{2}$	4	7	6 0	$\frac{1}{2}$	4	8	3 0
$\frac{3}{4}$	6	11	3 0	$\frac{3}{4}$	7	0	4 6

Ft. long	Side 37 Inch.			Ft. long	Side 37 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	9	6	1	1	9	7	7
2	19	0	2	2	19	3	3
3	28	6	3	3	28	10	10
4	38	0	4	4	38	6	6
5	47	6	5	5	48	2	1
6	57	0	6	6	57	9	9
7	66	6	7	7	67	5	4
8	76	0	8	8	77	1	0
9	85	6	9	9	86	8	8
10	95	0	10	10	96	4	3
11	104	6	11	11	105	11	11
12	114	1	0	12	115	7	6
13	123	7	1	13	125	3	2
14	133	1	2	14	134	10	9
15	142	7	3	15	144	6	5
16	152	1	4	16	154	2	1
17	161	7	5	17	163	9	8
18	171	1	6	18	173	5	4
19	180	7	7	19	183	0	11
20	190	1	8	20	192	8	7
21	199	7	9	21	202	4	2
22	209	1	10	22	211	11	10
23	218	7	11	23	221	7	5
24	228	2	0	24	231	3	1
25	237	8	1	25	240	10	9
26	247	2	2	26	250	6	4
27	256	8	3	27	260	2	0
28	266	2	4	28	269	9	9
29	275	8	5	29	279	5	3
30	285	2	6	30	289	0	10
31	294	8	7	31	298	8	6
32	304	2	8	32	308	4	2
33	313	8	9	33	317	11	9
34	323	2	10	34	327	7	5
35	332	8	10	35	337	3	0
36	342	3	0	36	346	10	8
37	351	9	1	37	356	6	3
38	361	3	2	38	366	1	11
39	370	9	3	39	375	9	6
40	380	3	4	40	385	5	2
41	389	9	5	41	395	0	10
42	399	3	6	42	404	8	5
43	408	9	7	43	414	4	1
44	418	3	8	44	423	11	8
45	427	9	9	45	433	7	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	4	6 3	$\frac{1}{4}$	2	4	10 9
$\frac{1}{2}$	4	9	0 6	$\frac{1}{2}$	4	9	9 6
$\frac{3}{4}$	7	1	6 9	$\frac{3}{4}$	7	2	8 3

Ft. long	Side 37 $\frac{1}{2}$			Ft. long	Side 37 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	9	9	2	1	9	10	9
2	19	6	4	2	19	9	6
3	29	3	6	3	29	8	3
4	39	0	9	4	39	7	0
5	43	9	11	5	49	5	9
6	58	7	1	6	59	4	6
7	68	4	3	7	69	3	3
8	78	1	6	8	79	2	0
9	87	10	8	9	89	0	9
10	97	7	10	10	98	11	6
11	107	5	0	11	108	10	3
12	117	2	3	12	118	9	0
13	126	11	5	13	128	7	9
14	136	8	7	14	138	6	6
15	146	5	9	15	148	5	3
16	156	3	0	16	158	4	1
17	166	0	2	17	168	2	10
18	175	9	4	18	178	1	7
19	185	6	6	19	188	0	4
20	195	3	9	20	197	11	1
21	205	0	11	21	207	9	10
22	214	10	1	22	217	8	7
23	224	7	3	23	227	7	4
24	234	4	6	24	237	6	1
25	244	1	8	25	247	4	10
26	253	10	10	26	257	3	7
27	263	8	0	27	267	2	4
28	273	5	3	28	277	1	1
29	283	2	5	29	286	11	10
30	292	11	7	30	296	10	7
31	302	8	9	31	306	9	4
32	312	6	0	32	316	8	2
33	322	3	2	33	326	6	11
34	332	0	4	34	336	5	8
35	341	9	6	35	346	4	5
36	351	6	9	36	356	3	2
37	361	3	11	37	366	1	11
38	371	1	1	38	376	0	8
39	380	10	3	39	385	11	5
40	390	7	6	40	395	10	2
41	400	4	8	41	405	8	11
42	410	1	10	42	415	7	8
43	419	11	0	43	425	6	5
44	429	8	3	44	435	5	2
45	439	5	5	45	445	3	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	5	3 6	$\frac{1}{4}$	2	5	8 3
$\frac{1}{2}$	4	10	7 0	$\frac{1}{2}$	4	11	4 6
$\frac{3}{4}$	6	15	10 6	$\frac{3}{4}$	6	16	0 0

Ft. long	Side 38 Inch.			Ft. long	Side 38 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	10	0	4	1	10	1	11
2	20	0	8	2	20	3	10
3	30	1	0	3	30	5	9
4	40	1	4	4	40	7	8
5	50	1	8	5	50	9	7
6	60	2	0	6	60	11	6
7	70	2	4	7	71	1	5
8	80	2	8	8	81	3	4
9	90	3	0	9	91	5	3
10	100	3	4	10	101	7	2
11	110	3	8	11	111	9	1
12	120	4	0	12	121	11	0
13	130	4	4	13	132	0	11
14	140	4	8	14	142	2	10
15	150	5	0	15	152	4	9
16	160	5	4	16	162	6	6
17	170	5	8	17	172	8	8
18	180	6	0	18	182	10	7
19	190	6	4	19	193	0	6
20	200	6	8	20	203	2	5
21	210	7	0	21	213	4	4
22	220	7	4	22	223	6	3
23	230	7	8	23	233	8	2
24	240	8	0	24	243	10	1
25	250	8	4	25	254	0	0
26	260	8	8	26	264	1	11
27	270	9	0	27	274	3	10
28	280	9	4	28	284	5	9
29	290	9	8	29	294	7	8
30	300	10	0	30	304	9	7
31	310	10	4	31	314	11	6
32	320	10	8	32	325	1	6
33	330	11	0	33	335	3	5
34	340	11	4	34	345	5	4
35	350	11	8	35	355	7	3
36	361	0	0	36	365	9	2
37	371	0	4	37	375	11	1
38	381	0	8	38	386	1	0
39	391	1	0	39	396	2	11
40	401	1	4	40	406	4	10
41	411	1	8	41	416	6	9
42	421	2	0	42	426	8	8
43	431	2	4	43	436	10	7
44	441	2	8	44	447	0	6
45	451	3	0	45	457	2	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	6	1 0	$\frac{1}{4}$	2	6	5 9
$\frac{1}{2}$	5	0	2 0	$\frac{1}{2}$	5	0	11 6
$\frac{3}{4}$	7	6	3 0	$\frac{3}{4}$	7	7	5 3

Ft. long	Side 38 $\frac{1}{2}$			Ft. long	Side 33 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	10	3	6	1	10	5	1
2	20	7	6	2	20	10	3
3	30	10	6	3	31	3	4
4	41	2	1	4	41	8	6
5	51	5	7	5	52	1	7
6	61	9	1	6	62	6	9
7	72	0	7	7	72	11	10
8	82	4	2	8	83	5	0
9	92	7	8	9	93	10	2
10	102	11	2	10	104	3	3
11	113	2	8	11	114	8	5
12	123	6	3	12	125	1	6
13	133	9	9	13	135	6	8
14	144	1	3	14	145	11	9
15	154	4	9	15	156	4	11
16	164	8	4	16	166	10	1
17	174	11	10	17	177	3	2
18	185	3	4	18	187	8	4
19	195	6	10	19	198	1	5
20	205	10	5	20	208	6	7
21	216	1	11	21	218	11	8
22	226	5	5	22	229	4	10
23	236	8	11	23	239	9	11
24	247	0	6	24	250	3	1
25	257	4	0	25	260	8	3
26	267	7	6	26	271	1	4
27	277	11	0	27	281	6	6
28	288	2	7	28	291	11	7
29	298	6	1	29	302	4	9
30	308	9	7	30	312	9	10
31	319	1	1	31	323	3	0
32	329	4	8	32	333	8	2
33	339	8	2	33	344	1	3
34	349	11	8	34	354	6	5
35	360	3	2	35	364	11	6
36	370	6	9	36	375	4	8
37	380	10	3	37	385	9	9
38	391	1	9	38	396	2	11
39	401	5	3	39	406	8	0
40	411	8	10	40	417	1	2
41	422	0	4	41	427	6	4
42	432	3	10	42	437	11	5
43	442	7	4	43	448	4	7
44	452	10	11	44	458	9	8
45	463	2	5	45	469	2	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	6	10 6	$\frac{1}{4}$	2	7	3 3
$\frac{1}{2}$	5	1	9 8	$\frac{1}{2}$	5	2	6 6
$\frac{3}{4}$	7	8	7 6	$\frac{3}{4}$	7	9	9 9

Ft. long	Side 39 Inch.			Ft. long	Side 39 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	10	6	9	1	10	8	4
2	21	1	6	2	21	4	9
3	31	8	3	3	32	1	1
4	42	3	0	4	42	9	6
5	52	9	9	5	53	5	10
6	63	4	6	6	64	2	3
7	73	11	3	7	74	10	7
8	84	6	0	8	85	7	0
9	95	0	9	9	96	3	5
10	105	7	6	10	106	11	9
11	116	2	3	11	117	8	2
12	126	9	0	12	128	4	6
13	137	3	9	13	139	0	11
14	147	10	6	14	149	9	3
15	158	5	3	15	160	5	8
16	169	0	0	16	171	2	1
17	179	6	9	17	181	10	5
18	190	1	6	18	192	6	10
19	200	8	3	19	203	3	2
20	211	3	0	20	213	11	7
21	221	9	9	21	224	7	11
22	232	4	6	22	235	4	4
23	242	11	3	23	246	0	8
24	253	6	0	24	256	9	1
25	264	0	9	25	267	5	6
26	274	7	6	26	278	1	10
27	285	2	3	27	288	10	3
28	295	9	0	28	299	6	7
29	306	3	9	29	310	3	0
30	316	10	6	30	320	11	4
31	327	5	3	31	331	7	9
32	338	0	0	32	342	4	2
33	348	6	9	33	353	0	6
34	359	1	6	34	363	8	11
35	369	8	3	35	374	5	3
36	380	3	0	36	385	1	8
37	390	9	9	37	395	10	0
38	401	4	6	38	406	6	5
39	411	11	3	39	417	2	9
40	422	6	0	40	427	11	2
41	433	0	9	41	438	7	7
42	443	7	6	42	449	3	11
43	454	2	3	43	460	0	4
44	464	9	0	44	470	8	8
45	475	3	9	45	481	5	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	7	8 3	$\frac{1}{4}$	2	8	1 0
$\frac{1}{2}$	5	3	4 6	$\frac{1}{2}$	5	4	2 0
$\frac{3}{4}$	7	11	0 9	$\frac{3}{4}$	8	0	3 0

Ft. long	Side 39 $\frac{1}{2}$			Ft. long	Side 39 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	10	10	0	1	10	11	8
2	21	8	0	2	21	11	4
3	32	6	0	3	32	11	0
4	43	4	1	4	43	10	8
5	54	2	1	5	54	10	4
6	65	0	1	6	65	10	0
7	75	10	1	7	76	9	8
8	86	8	2	8	87	9	4
9	97	6	2	9	98	9	0
10	108	4	2	10	109	8	8
11	119	2	2	11	120	8	4
12	130	0	3	12	131	8	0
13	140	10	3	13	142	7	8
14	151	8	3	14	153	7	4
15	162	6	3	15	164	7	0
16	173	4	4	16	175	6	9
17	184	2	4	17	186	6	5
18	195	0	4	18	197	6	1
19	205	10	4	19	208	5	9
20	216	8	5	20	219	5	5
21	227	6	5	21	230	5	1
22	238	4	5	22	241	4	9
23	249	2	5	23	252	4	5
24	260	0	6	24	263	4	1
25	270	10	6	25	274	3	9
26	281	8	6	26	285	3	5
27	292	6	6	27	296	3	1
28	303	4	7	28	307	2	9
29	314	2	7	29	318	2	5
30	325	0	7	30	329	2	1
31	335	10	7	31	340	1	9
32	346	8	8	32	351	1	6
33	357	6	8	33	362	1	2
34	368	4	8	34	373	0	10
35	379	2	8	35	384	0	6
36	390	0	9	36	395	0	2
37	400	10	9	37	405	11	10
38	411	8	9	38	416	11	6
39	422	6	9	39	427	11	2
40	433	4	10	40	438	10	10
41	444	2	10	41	449	10	6
42	455	0	10	42	460	10	2
43	465	10	10	43	471	9	10
44	476	8	11	44	482	9	6
45	487	6	11	45	493	9	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	8	6 0	$\frac{1}{4}$	2	8	11 0
$\frac{1}{2}$	5	5	0 0	$\frac{1}{2}$	5	5	10 0
$\frac{3}{4}$	8	1	6 0	$\frac{3}{4}$	8	2	9 0

Ft. long	Side 40 Inch.			Ft. long	Side 40 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	11	1	4	1	11	3	0
2	22	2	8	2	22	6	0
3	33	4	0	3	33	9	0
4	44	5	4	4	45	0	0
5	55	6	8	5	56	3	0
6	66	8	0	6	67	6	0
7	77	9	4	7	78	9	0
8	88	10	8	8	90	0	0
9	100	0	0	9	101	3	0
10	111	1	4	10	112	6	0
11	122	2	8	11	123	9	0
12	133	4	0	12	135	0	0
13	144	5	4	13	146	3	0
14	155	6	8	14	157	6	0
15	166	8	0	15	168	9	0
16	177	9	4	16	180	0	1
17	188	10	8	17	191	3	1
18	200	0	0	18	202	6	1
19	211	1	4	19	213	9	1
20	222	2	8	20	225	0	1
21	233	4	0	21	236	3	1
22	244	5	4	22	247	6	1
23	255	6	8	23	258	9	1
24	266	8	0	24	270	0	1
25	277	9	4	25	281	3	1
26	288	10	8	26	292	6	1
27	300	0	0	27	303	9	1
28	311	1	4	28	315	0	1
29	322	2	8	29	326	3	1
30	333	4	0	30	337	6	1
31	344	5	4	31	348	9	1
32	355	6	8	32	360	0	2
33	366	8	0	33	371	3	2
34	377	9	4	34	382	6	2
35	388	10	8	35	393	9	2
36	400	0	0	36	405	0	2
37	411	1	4	37	416	3	2
38	422	2	8	38	427	6	2
39	433	4	0	39	438	9	2
40	444	5	4	40	450	0	2
41	455	6	8	41	461	3	2
42	466	8	0	42	472	6	2
43	477	9	4	43	483	9	2
44	488	10	8	44	495	0	2
45	500	0	0	45	506	3	2
Quarters of a Foot.				Quarters of a Foot			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	9	4 0	$\frac{1}{4}$	2	9	9 0
$\frac{1}{2}$	5	6	8 0	$\frac{1}{2}$	5	7	6 0
$\frac{3}{4}$	8	4	0 0	$\frac{3}{4}$	8	5	3 0

Ft. long	Side 40 $\frac{1}{2}$			Ft. long	Side 40 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	11	4	8	1	11	6	4
2	22	9	4	2	23	0	9
3	34	2	0	3	34	7	1
4	45	6	9	4	46	1	6
5	56	11	5	5	57	7	10
6	68	4	1	6	69	2	3
7	79	8	9	7	80	8	7
8	91	1	6	8	92	3	0
9	102	6	2	9	103	9	5
10	113	10	10	10	115	3	9
11	125	3	6	11	126	10	2
12	136	8	3	12	138	4	6
13	148	0	10	13	149	10	11
14	159	5	7	14	161	5	3
15	170	10	3	15	172	11	8
16	182	3	0	16	184	6	1
17	193	7	8	17	196	0	5
18	205	0	4	18	207	6	10
19	216	5	0	19	219	1	2
20	227	9	9	20	230	7	7
21	239	2	5	21	242	1	11
22	250	7	1	22	253	8	4
23	261	11	9	23	265	2	8
24	273	4	6	24	276	9	1
25	284	9	2	25	289	3	6
26	296	1	10	26	299	9	10
27	307	6	6	27	311	4	3
28	318	11	3	28	322	10	7
29	330	3	11	29	334	5	0
30	341	8	7	30	345	11	4
31	353	1	3	31	357	5	9
32	364	6	0	32	369	0	2
33	375	10	8	33	380	6	6
34	387	3	4	34	392	0	11
35	398	8	0	35	403	7	3
36	410	0	9	36	415	1	8
37	421	5	5	37	426	8	0
38	432	10	1	38	438	2	5
39	444	2	9	39	449	8	9
40	455	7	6	40	461	3	2
41	467	0	2	41	472	9	7
42	478	4	10	42	484	3	11
43	489	9	6	43	495	10	4
44	501	2	3	44	507	4	8
45	512	6	11	45	518	11	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	10	2 0	$\frac{1}{4}$	2	10	7 0
$\frac{1}{2}$	5	8	4 0	$\frac{1}{2}$	5	9	2 0
$\frac{3}{4}$	8	6	6 0	$\frac{3}{4}$	8	7	9 0

Ft. long	Side 41 Inch.			Ft. long	Side 41 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	11	8	1	1	11	9	9
2	23	4	2	2	23	7	7
3	35	0	3	3	35	5	4
4	46	8	4	4	47	3	2
5	58	4	5	5	59	0	11
6	70	0	6	6	70	10	9
7	81	8	7	7	82	8	6
8	93	4	8	8	94	6	4
9	105	0	9	9	106	4	2
10	116	8	10	10	118	1	11
11	128	4	11	11	129	11	9
12	140	1	0	12	141	9	6
13	151	9	1	13	153	7	4
14	163	5	2	14	165	1	10
15	175	1	3	15	177	2	11
16	186	9	4	16	189	0	9
17	198	5	5	17	200	10	6
18	210	1	6	18	214	8	4
19	221	9	7	19	222	6	1
20	233	5	8	20	236	3	11
21	245	1	9	21	248	1	8
22	256	9	10	22	259	11	6
23	268	5	11	23	271	9	3
24	280	2	0	24	283	7	1
25	291	10	1	25	295	4	11
26	303	6	2	26	307	2	8
27	315	2	3	27	319	0	6
28	326	10	4	28	330	10	3
29	338	6	5	29	342	8	1
30	350	2	6	30	354	5	10
31	361	10	7	31	366	3	8
32	373	6	8	32	378	1	6
33	385	2	9	33	389	11	3
34	396	10	10	34	401	9	1
35	408	6	11	35	413	6	10
36	420	3	0	36	425	4	8
37	431	11	1	37	437	2	5
38	443	7	2	38	449	0	3
39	455	3	3	39	460	10	0
40	466	11	4	40	472	7	10
41	478	7	5	41	484	5	8
42	490	3	6	42	496	3	5
43	501	11	7	43	508	1	3
44	513	7	8	44	519	11	0
45	525	3	9	45	531	8	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	11	0 3	$\frac{1}{4}$	2	11	5 3
$\frac{1}{2}$	5	10	0 6	$\frac{1}{2}$	5	10	10 6
$\frac{3}{4}$	8	9	0 9	$\frac{3}{4}$	8	10	3 9

Ft. long	Side 41 $\frac{1}{2}$			Ft. long	Side 41 $\frac{1}{4}$				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	11	11	0	1	12	1	3		
2	23	11	0	2	24	2	6		
3	35	10	6	3	36	3	9		
4	47	10	1	4	48	5	0		
5	59	9	7	5	60	6	3		
6	71	9	1	6	72	7	6		
7	83	8	7	7	84	8	9		
8	95	8	2	8	96	10	0		
9	107	7	8	9	108	11	3		
10	119	7	2	10	121	0	6		
11	131	6	8	11	133	1	9		
12	143	6	3	12	145	3	0		
13	155	5	9	13	157	4	3		
14	167	5	3	14	169	5	6		
15	179	4	9	15	181	6	9		
16	191	4	4	16	193	8	1		
17	203	3	10	17	205	9	4		
18	215	3	4	18	217	10	7		
19	227	2	10	19	229	11	10		
20	239	2	5	20	242	1	1		
21	251	1	11	21	254	2	4		
22	263	1	5	22	266	3	7		
23	275	0	11	23	278	4	10		
24	287	0	6	24	290	6	1		
25	299	0	0	25	302	7	4		
26	310	11	6	26	314	8	7		
27	322	11	0	27	326	9	10		
28	334	10	7	28	338	11	1		
29	346	10	1	29	351	0	4		
30	358	9	7	30	363	1	7		
31	370	9	1	31	375	2	10		
32	382	8	8	32	387	4	2		
33	394	8	2	33	399	5	5		
34	406	7	8	34	411	6	8		
35	418	7	2	35	423	7	11		
36	430	6	9	36	435	9	2		
37	442	6	3	37	447	10	5		
38	454	5	9	38	459	11	8		
39	466	5	3	39	472	0	11		
40	478	4	10	40	484	2	2		
41	490	4	4	41	496	3	5		
42	502	3	10	42	508	4	8		
43	514	3	4	43	520	5	11		
44	526	2	11	44	532	7	2		
45	538	2	5	45	544	8	5		
Quarters of a Foot.				Quarters of a Foot.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	2	11	9	0	$\frac{1}{4}$	3	0	3	9
$\frac{1}{2}$	5	11	6	0	$\frac{1}{2}$	6	0	7	6
$\frac{3}{4}$	8	11	3	0	$\frac{3}{4}$	9	0	11	3

Ft. long	Side 42 Inch.			Ft. long	Side 42 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	12	3	0	1	12	4	8
2	24	6	0	2	24	9	4
3	36	9	0	3	37	2	0
4	49	0	0	4	49	6	8
5	61	3	0	5	61	11	4
6	73	6	0	6	74	4	0
7	85	9	0	7	86	8	8
8	98	0	0	8	99	1	4
9	110	3	0	9	111	6	0
10	122	6	0	10	123	10	8
11	134	9	0	11	136	3	4
12	147	0	0	12	148	8	0
13	159	3	0	13	161	0	8
14	171	6	0	14	173	5	4
15	183	9	0	15	185	10	0
16	196	0	0	16	198	2	9
17	208	3	0	17	210	7	5
18	220	6	0	18	223	0	1
19	232	9	0	19	235	4	9
20	245	0	0	20	247	9	5
21	257	3	0	21	260	2	1
22	269	6	0	22	272	6	9
23	281	9	0	23	284	11	5
24	294	0	0	24	297	4	1
25	306	3	0	25	309	8	9
26	318	6	0	26	322	1	5
27	330	9	0	27	334	6	1
28	343	0	0	28	346	10	9
29	355	3	0	29	359	3	5
30	367	6	0	30	371	8	1
31	379	9	0	31	384	0	9
32	392	0	0	32	396	5	6
33	404	3	0	33	408	10	2
34	416	6	0	34	421	2	10
35	428	9	0	35	433	7	6
36	441	0	0	36	446	0	2
37	453	3	0	37	458	4	10
38	465	6	0	38	470	9	6
39	477	9	0	39	483	2	2
40	490	0	0	40	495	6	10
41	502	3	0	41	509	11	6
42	514	6	0	42	520	4	2
43	526	9	0	43	532	8	10
44	539	0	0	44	545	1	6
45	551	3	0	45	557	6	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	0	9 0	$\frac{1}{4}$	3	1	2 0
$\frac{1}{2}$	6	1	6 0	$\frac{1}{2}$	6	2	4 0
$\frac{3}{4}$	9	2	3 0	$\frac{3}{4}$	9	3	6 0

Ft. long	Side $42\frac{1}{2}$			Ft. long	Side $12\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	12	6	6	1	12	8	3
2	25	1	0	2	25	4	7
3	37	7	6	3	38	0	10
4	50	2	1	4	50	9	2
5	62	8	7	5	63	5	5
6	75	3	1	6	76	1	9
7	87	9	7	7	88	10	0
8	100	4	2	8	101	6	4
9	112	10	8	9	114	2	8
10	125	5	2	10	126	10	11
11	137	11	8	11	139	7	3
12	150	6	3	12	152	3	6
13	163	0	9	13	164	11	10
14	175	7	3	14	177	8	1
15	188	1	9	15	190	4	5
16	200	8	4	16	203	0	9
17	213	2	10	17	215	9	0
18	225	9	4	18	228	5	4
19	238	3	10	19	241	1	7
20	250	10	5	20	253	9	11
21	263	4	11	21	266	6	2
22	275	11	5	22	279	2	6
23	288	5	11	23	291	10	9
24	301	0	6	24	304	7	1
25	313	7	0	25	317	3	5
26	326	1	6	26	329	11	8
27	338	8	0	27	342	8	0
28	351	2	7	28	355	4	3
29	363	9	1	29	368	0	7
30	376	3	7	30	380	8	10
31	388	10	1	31	393	5	2
32	401	4	8	32	406	1	6
33	413	11	2	33	418	9	9
34	426	5	8	34	431	6	1
35	439	0	2	35	444	2	4
36	451	6	9	36	456	10	8
37	464	1	3	37	469	6	11
38	476	7	9	38	482	3	3
39	489	2	3	39	494	11	6
40	501	8	10	40	507	7	10
41	514	3	4	41	520	4	2
42	526	9	10	42	533	0	5
43	539	4	4	43	545	8	9
44	551	10	11	44	558	5	0
45	564	5	5	45	571	1	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	1	7 6	$\frac{1}{4}$	3	2	0 9
$\frac{1}{2}$	6	3	3 0	$\frac{1}{2}$	6	4	1 6
$\frac{3}{4}$	9	4	10 6	$\frac{3}{4}$	9	6	2 3

Ft. long	Side 43 Inch.			Ft. long	Side 43 $\frac{1}{4}$				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	12	10	1	1	12	11	10		
2	25	8	2	2	25	11	9		
3	38	6	3	3	38	11	7		
4	51	4	4	4	51	11	6		
5	64	2	5	5	64	11	4		
6	77	0	6	6	77	11	3		
7	89	10	7	7	90	11	1		
8	102	8	8	8	103	11	0		
9	115	6	9	9	116	10	11		
10	128	4	10	10	129	10	9		
11	141	2	11	11	142	10	8		
12	154	1	0	12	155	10	6		
13	166	11	1	13	168	10	5		
14	179	9	2	14	181	10	3		
15	192	7	3	15	194	10	2		
16	205	5	4	16	207	10	1		
17	218	3	5	17	220	9	11		
18	231	1	6	18	233	9	10		
19	243	11	7	19	246	9	8		
20	256	9	8	20	259	9	7		
21	269	7	9	21	272	9	5		
22	282	5	10	22	285	9	4		
23	295	3	11	23	298	9	2		
24	308	2	0	24	311	9	1		
25	321	0	1	25	324	9	0		
26	333	10	2	26	337	8	10		
27	346	8	3	27	350	8	9		
28	359	6	4	28	363	8	7		
29	372	4	5	29	376	8	6		
30	385	2	6	30	389	8	4		
31	398	0	7	31	402	8	3		
32	410	10	8	32	415	8	2		
33	423	8	9	33	428	8	0		
34	436	6	10	34	441	7	11		
35	449	4	11	35	454	7	9		
36	462	3	0	36	467	7	8		
37	475	1	1	37	480	7	6		
38	487	11	2	38	493	7	5		
39	500	9	3	39	506	7	3		
40	513	7	4	40	519	7	2		
41	526	5	5	41	532	7	1		
42	539	3	6	42	545	6	11		
43	552	1	7	43	558	6	10		
44	564	11	8	44	571	6	8		
45	577	9	9	45	584	6	7		
Quarters of a Foot.				Quarters of a Foot.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	3	2	6	3	$\frac{1}{4}$	3	2	11	6
$\frac{2}{4}$	6	5	0	6	$\frac{2}{4}$	6	5	11	0
$\frac{3}{4}$	9	7	6	9	$\frac{3}{4}$	9	8	10	6

Ft. long	Side 43 $\frac{1}{2}$			Ft. long	Side 43 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	13	1	8	1	13	3	6
2	26	3	4	2	26	7	0
3	39	5	0	3	39	10	6
4	52	6	9	4	53	2	0
5	65	8	5	5	66	5	6
6	78	10	1	6	79	9	0
7	91	11	9	7	93	0	6
8	105	1	6	8	106	4	0
9	118	3	2	9	119	7	6
10	131	4	10	10	132	11	0
11	144	6	6	11	146	2	6
12	157	8	3	12	159	6	0
13	170	9	11	13	172	9	6
14	183	11	7	14	186	1	0
15	197	1	3	15	199	4	6
16	210	3	0	16	212	8	1
17	223	4	8	17	225	11	7
18	236	6	4	18	239	3	1
19	249	8	0	19	252	6	7
20	262	9	9	20	265	10	1
21	275	11	5	21	279	1	7
22	289	1	1	22	292	5	1
23	302	2	9	23	305	8	7
24	315	4	6	24	319	0	1
25	328	6	2	25	332	3	7
26	341	7	10	26	345	7	1
27	354	9	6	27	358	10	7
28	367	11	3	28	372	2	1
29	381	0	11	29	385	5	7
30	394	2	7	30	398	9	1
31	407	4	3	31	412	0	7
32	420	6	0	32	425	4	2
33	433	7	8	33	438	7	8
34	446	9	4	34	451	11	2
35	459	11	0	35	465	2	8
36	473	0	9	36	478	6	2
37	486	2	5	37	491	9	8
38	499	4	1	38	505	1	2
39	512	5	9	39	518	4	8
40	525	7	6	40	531	8	2
41	538	9	2	41	544	11	8
42	551	10	10	42	558	3	2
43	565	0	6	43	571	6	8
44	578	2	3	44	584	10	2
45	591	3	11	45	598	1	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	3	5 0	$\frac{1}{4}$	3	3	10 6
$\frac{1}{2}$	6	6	10 0	$\frac{1}{2}$	6	7	9 0
$\frac{3}{4}$	9	10	3 0	$\frac{3}{4}$	9	11	7 6

Ft. long	Side 44 Inch.			Ft. long	Side 44 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	13	5	4	1	13	7	2
2	26	10	8	2	27	2	4
3	40	4	0	3	40	9	6
4	53	9	4	4	54	4	8
5	67	2	8	5	67	11	10
6	80	8	0	6	81	7	0
7	94	1	4	7	95	2	2
8	107	6	8	8	108	9	4
9	121	0	0	9	122	4	6
10	134	5	4	10	135	11	8
11	147	10	8	11	149	6	10
12	161	4	0	12	163	2	0
13	174	9	4	13	176	9	2
14	188	2	8	14	190	4	4
15	201	8	0	15	203	11	6
16	215	1	4	16	217	6	9
17	228	6	8	17	231	1	11
18	242	0	0	18	244	9	1
19	255	5	4	19	258	4	3
20	268	10	8	20	271	11	5
21	282	4	0	21	285	6	7
22	295	9	4	22	299	1	9
23	309	2	8	23	312	8	11
24	322	8	0	24	326	4	1
25	336	1	4	25	339	11	3
26	349	6	8	26	353	6	5
27	363	0	0	27	367	1	7
28	376	5	4	28	380	8	9
29	389	10	8	29	394	3	11
30	403	4	0	30	407	11	1
31	416	9	4	31	421	6	3
32	430	2	8	32	435	1	6
33	443	8	0	33	448	8	8
34	457	1	4	34	462	3	10
35	470	6	8	35	475	11	0
36	484	0	0	36	489	6	2
37	497	5	4	37	503	1	4
38	510	10	8	38	516	8	6
39	524	4	0	39	530	3	8
40	537	9	4	40	543	10	10
41	551	2	8	41	557	6	0
42	564	8	0	42	571	1	2
43	578	1	4	43	584	8	4
44	591	6	8	44	598	3	6
45	605	0	0	45	611	10	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	4	4 0	$\frac{1}{4}$	3	4	9 6
$\frac{1}{2}$	6	8	8 0	$\frac{1}{2}$	6	0	7 0
$\frac{3}{4}$	10	1	0 0	$\frac{3}{4}$	10	2	4 6

Ft. long	Side 44 $\frac{1}{2}$			Ft. long	Side 44 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	13	9	0	1	13	10	10
2	27	6	0	2	27	9	9
3	41	3	0	3	41	8	7
4	55	0	1	4	55	7	6
5	68	9	1	5	69	6	4
6	82	6	1	6	83	5	3
7	96	3	1	7	97	4	1
8	110	0	2	8	111	3	0
9	123	9	2	9	125	1	11
10	137	6	2	10	139	0	9
11	151	3	2	11	152	11	8
12	165	0	3	12	166	10	6
13	178	9	3	13	180	9	5
14	192	6	3	14	194	8	3
15	206	3	3	15	208	7	2
16	220	0	4	16	222	6	1
17	233	9	4	17	236	4	11
18	247	6	4	18	250	3	10
19	261	3	4	19	264	2	8
20	275	0	5	20	278	1	7
21	288	9	5	21	292	0	5
22	302	6	5	22	305	11	4
23	316	3	5	23	319	10	2
24	330	0	6	24	333	9	1
25	343	9	6	25	347	8	0
26	357	6	6	26	361	6	10
27	371	3	6	27	375	5	9
28	385	0	7	28	389	4	7
29	398	9	7	29	403	3	6
30	412	6	7	30	417	2	4
31	426	3	7	31	431	1	3
32	440	0	8	32	445	0	2
33	453	9	8	33	458	11	0
34	467	6	8	34	472	9	11
35	481	3	8	35	486	8	9
36	495	0	9	36	500	7	8
37	508	9	9	37	514	6	6
38	522	6	9	38	528	5	5
39	536	3	9	39	542	4	3
40	550	0	10	40	556	3	2
41	563	9	10	41	570	2	1
42	577	6	10	42	584	0	11
43	591	3	10	43	597	11	10
44	605	0	11	44	611	10	8
45	618	9	11	45	625	9	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	5	3 0	$\frac{1}{4}$	3	5	8 6
$\frac{1}{2}$	6	10	6 0	$\frac{1}{2}$	6	11	5 0
$\frac{3}{4}$	10	3	9 0	$\frac{3}{4}$	10	5	1 6

Ft. long	Side 45 Inch.			Ft. long	Side 45 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	14	0	9	1	14	2	7
2	28	1	6	2	28	5	3
3	42	2	3	3	42	7	10
4	56	3	0	4	56	10	6
5	70	3	9	5	71	1	1
6	84	4	6	6	85	3	9
7	98	5	3	7	99	6	4
8	112	6	0	8	113	9	0
9	126	6	9	9	127	11	8
10	140	7	6	10	142	2	3
11	154	8	3	11	156	4	11
12	168	9	0	12	170	7	6
13	182	9	9	13	184	10	2
14	196	10	6	14	199	0	9
15	210	11	3	15	213	3	5
16	225	0	0	16	227	6	1
17	239	0	9	17	241	8	8
18	253	1	6	18	255	11	4
19	267	2	3	19	270	1	11
20	281	3	0	20	284	4	7
21	295	3	9	21	298	7	2
22	309	4	6	22	312	9	10
23	323	5	3	23	327	0	5
24	337	6	0	24	341	3	1
25	351	6	9	25	355	5	9
26	365	7	6	26	369	8	4
27	379	8	3	27	383	11	0
28	393	9	0	28	398	1	7
29	407	9	9	29	412	4	3
30	421	10	6	30	426	6	10
31	435	11	3	31	440	9	6
32	450	0	0	32	455	0	2
33	464	0	9	33	469	2	9
34	478	1	6	34	483	5	5
35	492	2	3	35	497	8	0
36	506	3	0	36	511	10	8
37	520	3	9	37	526	1	3
38	534	4	6	38	540	3	11
39	548	5	3	39	554	6	6
40	562	6	0	40	568	9	2
41	576	6	9	41	582	11	10
42	590	7	6	42	597	2	5
43	604	8	3	43	611	5	1
44	618	9	0	44	625	7	8
45	632	9	9	45	639	10	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	6	2 3	$\frac{1}{4}$	3	6	7 9
$\frac{1}{2}$	7	0	4 6	$\frac{1}{2}$	7	1	3 6
$\frac{3}{4}$	10	6	6 0	$\frac{3}{4}$	10	7	11 3

Ft. long	Side 45 $\frac{1}{2}$			Ft. long	Side 45 $\frac{1}{4}$				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	14	4	6	1	14	6	5		
2	28	9	0	2	29	0	10		
3	43	1	6	3	43	7	3		
4	57	6	1	4	58	1	8		
5	71	10	7	5	72	8	1		
6	86	3	1	6	87	2	6		
7	100	7	7	7	101	8	11		
8	115	0	2	8	116	3	4		
9	129	4	8	9	130	9	9		
10	143	9	2	10	145	4	2		
11	158	1	8	11	159	10	7		
12	172	6	3	12	174	5	0		
13	186	10	9	13	188	11	5		
14	201	3	3	14	203	5	10		
15	215	7	9	15	218	0	3		
16	230	0	4	16	232	6	9		
17	244	4	10	17	247	1	2		
18	258	9	4	18	261	7	7		
19	273	1	10	19	276	2	0		
20	287	6	5	20	290	8	5		
21	301	10	11	21	305	2	10		
22	316	3	5	22	319	9	3		
23	330	7	11	23	334	3	8		
24	345	0	6	24	348	10	1		
25	359	5	0	25	363	4	6		
26	373	9	6	26	377	10	11		
27	388	2	0	27	392	5	4		
28	402	6	7	28	406	11	9		
29	416	11	1	29	421	6	2		
30	431	3	7	30	436	0	7		
31	445	8	1	31	450	7	0		
32	460	0	8	32	465	1	6		
33	474	5	2	33	479	7	11		
34	488	9	8	34	494	2	4		
35	503	2	2	35	508	8	9		
36	517	6	9	36	523	3	2		
37	531	11	3	37	537	9	7		
38	546	3	9	38	552	4	0		
39	560	8	3	39	566	10	5		
40	575	0	10	40	581	4	10		
41	589	5	4	41	595	11	3		
42	603	9	10	42	610	5	8		
43	618	2	4	43	625	0	1		
44	632	6	11	44	639	6	6		
45	646	11	5	45	654	0	11		
Quarters of a Foot.				Quarters of a Foot.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	3	7	1	6	$\frac{1}{4}$	3	7	7	3
$\frac{1}{2}$	7	2	3	0	$\frac{1}{2}$	7	3	2	6
$\frac{3}{4}$	10	9	4	6	$\frac{3}{4}$	10	10	9	9

Ft. long	Side 46 Inch.			Ft. long	Side 46 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	14	8	4	1	14	10	3
2	29	4	8	2	29	8	6
3	44	1	0	3	44	6	9
4	58	9	4	4	59	5	0
5	73	5	8	5	74	3	3
6	88	2	0	6	89	1	6
7	102	10	4	7	103	11	9
8	117	6	8	8	118	10	0
9	132	3	0	9	133	8	3
10	146	11	4	10	148	6	6
11	161	7	8	11	163	4	9
12	176	4	0	12	178	3	0
13	191	0	4	13	193	1	3
14	205	8	8	14	207	11	6
15	220	5	0	15	222	9	9
16	235	1	4	16	237	8	1
17	249	9	8	17	252	6	4
18	264	6	0	18	267	4	7
19	279	2	4	19	282	2	10
20	293	10	8	20	297	1	1
21	308	7	0	21	311	11	4
22	323	3	4	22	326	9	7
23	337	11	8	23	341	7	10
24	352	8	0	24	356	6	1
25	367	4	4	25	371	4	4
26	382	0	8	26	386	2	7
27	396	9	0	27	401	0	10
28	411	5	4	28	415	11	1
29	426	1	8	29	430	9	4
30	440	10	0	30	445	7	7
31	455	6	4	31	460	5	10
32	470	2	8	32	475	4	2
33	484	11	0	33	490	2	5
34	499	7	4	34	505	0	8
35	514	3	8	35	519	10	11
36	529	0	0	36	534	9	2
37	543	8	4	37	549	7	5
38	558	4	8	38	564	5	8
39	573	1	0	39	579	3	11
40	587	9	4	40	594	2	2
41	602	5	8	41	609	0	5
42	617	2	0	42	623	10	8
43	631	10	4	43	638	8	11
44	646	6	8	44	653	7	2
45	661	3	0	45	668	5	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	8	10	$\frac{1}{4}$	3	8	69
$\frac{1}{2}$	7	4	20	$\frac{1}{2}$	7	5	16
$\frac{3}{4}$	11	0	30	$\frac{3}{4}$	11	1	83

Side 46 $\frac{1}{2}$				Side 4 $\frac{1}{4}$					
Ft. long	Ft.	In.	Pa.	Ft. long	Ft.	In.	Pa.		
1	15	0	2	1	15	2	1		
2	30	0	4	2	30	4	3		
3	45	0	6	3	45	6	4		
4	60	0	9	4	60	8	6		
5	75	0	11	5	75	10	7		
6	90	1	1	6	91	0	9		
7	105	1	3	7	106	2	10		
8	120	1	6	8	121	5	0		
9	135	1	8	9	136	7	2		
10	150	1	10	10	151	9	3		
11	165	2	0	11	166	11	5		
12	180	2	3	12	182	1	6		
13	195	2	5	13	197	3	8		
14	210	2	7	14	212	5	9		
15	225	2	9	15	227	7	11		
16	240	3	0	16	242	10	1		
17	255	3	2	17	258	0	2		
18	270	3	4	18	273	2	4		
19	285	3	6	19	288	4	5		
20	300	3	9	20	303	6	7		
21	315	3	11	21	318	8	8		
22	330	4	1	22	333	10	10		
23	345	4	3	23	349	0	11		
24	360	4	6	24	364	3	1		
25	375	4	8	25	379	5	3		
26	390	4	10	26	394	7	4		
27	405	5	0	27	409	9	6		
28	420	5	3	28	424	11	7		
29	435	5	5	29	440	1	9		
30	450	5	7	30	455	3	10		
31	465	5	9	31	470	6	0		
32	480	6	0	32	485	8	2		
33	495	6	2	33	500	10	3		
34	510	6	4	34	516	0	5		
35	525	6	6	35	531	2	6		
36	540	6	9	36	546	4	8		
37	555	6	11	37	561	6	9		
38	570	7	1	38	576	8	11		
39	585	7	3	39	591	11	0		
40	600	7	6	40	607	1	2		
41	615	7	8	41	622	3	4		
42	630	7	10	42	637	5	5		
43	645	8	0	43	652	7	7		
44	660	8	3	44	667	9	8		
45	675	8	5	45	682	11	10		
Quarters of a Foot.				Quarters of a Foot.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	3	9	0	6	$\frac{1}{4}$	3	9	6	3
$\frac{1}{2}$	7	6	1	0	$\frac{1}{2}$	7	7	0	6
$\frac{3}{4}$	11	3	1	6	$\frac{3}{4}$	11	4	6	9

Ft. long	Side 47 Inch.			Ft. long	Side 47 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	15	4	1	1	15	6	0
2	30	8	2	2	31	0	1
3	46	0	3	3	46	6	1
4	61	4	4	4	62	0	2
5	76	8	5	5	77	6	2
6	92	0	6	6	93	0	3
7	107	4	7	7	108	6	3
8	122	8	8	8	124	0	4
9	138	0	9	9	139	6	5
10	153	4	10	10	155	0	5
11	168	8	11	11	170	6	6
12	184	1	0	12	186	0	6
13	199	5	1	13	201	6	7
14	214	9	2	14	217	0	7
15	230	1	3	15	232	6	8
16	245	5	4	16	248	0	9
17	260	9	5	17	263	6	9
18	276	1	6	18	279	0	10
19	291	5	7	19	294	6	10
20	306	9	8	20	310	0	11
21	322	1	9	21	325	6	11
22	337	5	10	22	341	1	0
23	352	9	11	23	356	7	0
24	368	2	0	24	372	1	1
25	383	6	1	25	387	7	2
26	398	10	2	26	403	1	2
27	414	2	3	27	418	7	3
28	429	6	4	28	434	1	3
29	444	10	5	29	449	7	4
30	460	2	6	30	465	1	4
31	475	6	7	31	480	7	5
32	490	10	8	32	496	1	6
33	506	2	9	33	511	7	6
34	521	6	10	34	527	1	7
35	536	10	11	35	542	7	7
36	552	3	0	36	558	1	8
37	567	7	1	37	573	7	8
38	582	11	2	38	589	1	9
39	598	3	3	39	604	7	9
40	613	7	4	40	620	1	10
41	628	11	5	41	635	7	11
42	644	3	6	42	651	1	11
43	659	7	7	43	666	8	0
44	674	11	8	44	682	2	0
45	690	3	9	45	697	8	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	10	0 3	$\frac{1}{4}$	3	10	6 0
$\frac{1}{2}$	7	8	0 6	$\frac{1}{2}$	7	9	0 0
$\frac{3}{4}$	11	6	0 9	$\frac{3}{4}$	11	7	6 0

Ft. long	Side 47 $\frac{1}{2}$			Ft. long	Side 47 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	15	8	0	1	15	10	0
2	31	4	0	2	31	8	0
3	47	0	0	3	47	6	0
4	62	8	1	4	63	4	0
5	78	4	1	5	79	2	0
6	94	0	1	6	95	0	0
7	109	8	1	7	110	10	0
8	125	4	2	8	126	8	0
9	141	0	2	9	142	6	0
10	156	8	2	10	158	4	0
11	172	4	2	11	174	2	0
12	188	0	3	12	190	0	0
13	203	8	3	13	205	10	0
14	219	4	3	14	221	8	0
15	235	0	3	15	237	6	0
16	250	8	4	16	253	4	1
17	266	4	4	17	269	2	1
18	282	0	4	18	285	0	1
19	297	8	4	19	300	10	1
20	313	4	5	20	316	8	1
21	329	0	5	21	332	6	1
22	344	8	5	22	348	4	1
23	360	4	5	23	364	2	1
24	376	0	6	24	380	0	1
25	391	8	6	25	395	10	1
26	407	4	6	26	411	8	1
27	423	0	6	27	427	6	1
28	438	8	7	28	443	4	1
29	454	4	7	29	459	2	1
30	470	0	7	30	475	0	1
31	485	8	7	31	490	10	1
32	501	4	8	32	506	8	2
33	517	0	8	33	522	6	2
34	532	8	8	34	538	4	2
35	548	4	8	35	554	2	2
36	564	0	9	36	570	0	2
37	579	8	9	37	585	10	2
38	595	4	9	38	601	8	2
39	611	0	9	39	617	6	2
40	626	8	10	40	633	4	2
41	642	4	10	41	649	2	2
42	658	0	10	42	665	0	2
43	673	8	10	43	680	10	2
44	689	4	11	44	696	8	2
45	705	0	11	45	712	6	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	11	0 0	$\frac{1}{4}$	3	11	6 0
$\frac{1}{2}$	7	10	0 0	$\frac{1}{2}$	7	11	0 0
$\frac{3}{4}$	11	9	0 0	$\frac{3}{4}$	11	10	6 0

Ft. long	Side 48 Inch.			Ft. long	Side 48 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	16	0	0	1	16	2	0
2	32	0	0	2	32	4	0
3	48	0	0	3	48	6	0
4	64	0	0	4	64	8	0
5	80	0	0	5	80	10	0
6	96	0	0	6	97	0	0
7	112	0	0	7	113	2	0
8	128	0	0	8	129	4	0
9	144	0	0	9	145	6	0
10	160	0	0	10	161	8	0
11	176	0	0	11	177	10	0
12	192	0	0	12	194	0	0
13	208	0	0	13	210	2	0
14	224	0	0	14	226	4	0
15	240	0	0	15	242	6	0
16	256	0	0	16	258	8	1
17	272	0	0	17	274	10	1
18	288	0	0	18	291	0	1
19	304	0	0	19	307	2	1
20	320	0	0	20	323	4	1
21	336	0	0	21	339	6	1
22	352	0	0	22	355	8	1
23	368	0	0	23	371	10	1
24	384	0	0	24	388	0	1
25	400	0	0	25	404	2	1
26	416	0	0	26	420	4	1
27	432	0	0	27	436	6	1
28	448	0	0	28	452	8	1
29	464	0	0	29	468	10	1
30	480	0	0	30	485	0	1
31	496	0	0	31	501	2	1
32	512	0	0	32	517	4	2
33	528	0	0	33	533	6	2
34	544	0	0	34	549	8	2
35	560	0	0	35	565	10	2
36	576	0	0	36	582	0	2
37	592	0	0	37	598	2	2
38	608	0	0	38	614	4	2
39	624	0	0	39	630	6	2
40	640	0	0	40	646	8	2
41	656	0	0	41	662	10	2
42	672	0	0	42	679	0	2
43	688	0	0	43	695	2	2
44	704	0	0	44	711	4	2
45	720	0	0	45	727	6	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	0	0 0	$\frac{1}{4}$	4	0	6 0
$\frac{1}{2}$	8	0	0 0	$\frac{1}{2}$	8	1	0 0
$\frac{3}{4}$	12	0	0 0	$\frac{3}{4}$	12	1	6 0

Ft. long	Side 48 $\frac{1}{2}$			Ft. long	Side 48 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	16	4	0	1	16	6	0
2	32	8	0	2	33	0	1
3	49	0	0	3	49	6	1
4	65	4	1	4	66	0	2
5	81	8	1	5	82	6	2
6	98	0	1	6	99	0	3
7	114	4	1	7	115	6	3
8	130	8	2	8	132	0	4
9	147	0	2	9	148	6	5
10	163	4	2	10	165	0	5
11	179	8	2	11	181	6	6
12	196	0	3	12	198	0	6
13	212	4	3	13	214	6	7
14	228	8	3	14	231	0	7
15	245	0	3	15	247	6	8
16	261	4	4	16	264	0	9
17	277	8	4	17	280	6	9
18	294	0	4	18	297	0	10
19	310	4	4	19	313	6	10
20	326	8	5	20	330	0	11
21	343	0	5	21	346	6	11
22	359	4	5	22	363	1	0
23	375	8	5	23	379	7	0
24	392	0	6	24	396	1	1
25	408	4	6	25	412	7	1
26	424	8	6	26	429	1	2
27	441	0	6	27	445	7	2
28	457	4	7	28	462	1	3
29	473	8	7	29	478	7	4
30	490	0	7	30	495	1	4
31	506	4	7	31	511	7	5
32	522	8	8	32	528	1	5
33	539	0	8	33	544	7	6
34	555	4	8	34	561	1	6
35	571	8	8	35	577	7	7
36	588	0	9	36	594	1	8
37	604	4	9	37	610	7	8
38	620	8	9	38	627	1	9
39	637	0	9	39	643	7	9
40	653	4	10	40	660	1	10
41	669	8	10	41	676	7	10
42	686	0	10	42	693	1	11
43	702	4	10	43	709	7	11
44	718	8	11	44	726	2	0
45	735	0	11	45	742	8	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa.	S.	Ft.	In.	Pa.
$\frac{1}{4}$	4	1	0	0	$\frac{1}{4}$	4	1
$\frac{1}{2}$	8	2	0	0	$\frac{1}{2}$	8	3
$\frac{3}{4}$	12	3	0	0	$\frac{3}{4}$	12	4

Ft. long	Side 49 Inch.			Ft. long	Side 49 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	16	8	1	1	16	10	1
2	33	4	2	2	33	8	3
3	50	0	3	3	50	6	4
4	66	8	4	4	67	4	6
5	83	4	5	5	84	2	7
6	100	0	6	6	101	0	9
7	116	8	7	7	117	10	10
8	133	4	8	8	134	9	0
9	150	0	9	9	151	7	2
10	166	8	10	10	168	5	3
11	183	4	11	11	185	3	5
12	200	1	0	12	202	1	6
13	216	9	1	13	218	11	8
14	233	5	2	14	235	9	9
15	250	1	3	15	252	7	11
16	266	9	4	16	269	6	1
17	283	5	5	17	286	4	2
18	300	1	6	18	303	2	4
19	316	9	7	19	320	0	5
20	333	5	8	20	336	10	7
21	350	1	9	21	353	8	8
22	366	9	10	22	370	6	10
23	383	5	11	23	387	4	11
24	400	2	0	24	404	3	1
25	416	10	1	25	421	1	3
26	433	6	2	26	437	11	4
27	450	2	3	27	454	9	6
28	466	10	4	28	471	7	7
29	483	6	5	29	488	5	9
30	500	2	6	30	505	3	10
31	516	10	7	31	522	2	0
32	533	6	8	32	539	0	2
33	550	2	9	33	555	10	3
34	566	10	10	34	572	8	5
35	583	6	11	35	589	6	6
36	600	3	0	36	606	4	8
37	616	11	1	37	623	2	9
38	633	7	2	38	640	0	11
39	650	3	3	39	656	11	1
40	666	11	4	40	673	9	2
41	683	7	5	41	690	7	4
42	700	3	6	42	707	5	5
43	716	11	7	43	724	3	7
44	733	7	8	44	741	1	8
45	750	3	9	45	757	11	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa.	S.	Ft.	In.	Pa.
$\frac{1}{4}$	4	2	0	3	$\frac{1}{4}$	4	2
$\frac{1}{2}$	8	4	0	6	$\frac{1}{2}$	8	5
$\frac{3}{4}$	12	6	0	9	$\frac{3}{4}$	12	7

Ft. long	Side 49 $\frac{1}{2}$			Ft. long	Side 49 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	17	0	2	1	17	2	3
2	34	0	4	2	34	4	6
3	51	0	6	3	51	6	9
4	68	0	9	4	68	9	0
5	85	0	11	5	85	11	3
6	102	1	1	6	103	1	6
7	119	1	3	7	120	3	9
8	136	1	6	8	137	6	0
9	153	1	8	9	154	8	3
10	170	1	10	10	171	10	6
11	187	2	0	11	189	0	9
12	204	2	3	12	206	3	0
13	221	2	5	13	223	5	3
14	238	2	7	14	240	7	6
15	255	2	9	15	257	9	9
16	272	3	0	16	275	0	1
17	289	3	2	17	292	2	4
18	306	3	4	18	309	4	7
19	323	3	6	19	326	6	10
20	340	3	9	20	343	9	1
21	357	3	11	21	360	11	4
22	374	4	1	22	378	1	7
23	391	4	3	23	395	3	10
24	408	4	6	24	412	6	1
25	425	4	8	25	429	8	4
26	442	4	10	26	446	10	7
27	459	5	0	27	464	0	10
28	476	5	3	28	481	3	1
29	493	5	5	29	498	5	4
30	510	5	7	30	515	7	7
31	527	5	9	31	532	9	10
32	544	6	0	32	550	0	2
33	561	6	2	33	567	2	5
34	578	6	4	34	584	4	8
35	595	6	6	35	601	6	11
36	612	6	9	36	618	9	2
37	629	6	11	37	635	11	5
38	646	7	1	38	653	1	8
39	663	7	3	39	670	3	11
40	680	7	6	40	687	6	2
41	697	7	8	41	704	8	5
42	714	7	10	42	721	10	8
43	731	8	0	43	739	0	11
44	748	8	3	44	756	3	2
45	765	8	5	45	773	5	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	3	0 6	$\frac{1}{4}$	4	3	6 9
$\frac{1}{2}$	8	6	1 0	$\frac{1}{2}$	8	7	1 6
$\frac{3}{4}$	12	9	1 6	$\frac{3}{4}$	12	10	8 3

Ft. long	Side 50 Inch.			Ft. long	Side 50 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	17	4	4	1	17	6	5
2	34	8	8	2	35	0	10
3	52	1	0	3	52	7	3
4	69	5	4	4	70	1	8
5	86	9	8	5	87	8	1
6	104	2	0	6	105	2	6
7	121	6	4	7	122	8	11
8	138	10	8	8	140	3	4
9	156	3	0	9	157	9	9
10	173	7	4	10	175	4	2
11	190	11	8	11	192	10	7
12	208	4	0	12	210	5	0
13	225	8	4	13	227	11	5
14	243	0	8	14	245	5	10
15	260	5	0	15	263	0	3
16	277	9	4	16	280	6	9
17	295	1	8	17	298	1	2
18	312	6	0	18	315	7	7
19	329	10	4	19	333	2	0
20	347	2	8	20	350	8	5
21	364	7	0	21	368	2	10
22	381	11	4	22	385	9	3
23	399	3	8	23	403	3	8
24	416	8	0	24	420	10	1
25	434	0	4	25	438	4	6
26	451	4	8	26	455	10	11
27	468	9	0	27	473	5	4
28	486	1	4	28	490	11	9
29	503	5	8	29	508	6	2
30	520	10	0	30	526	0	7
31	538	2	4	31	543	7	0
32	555	6	8	32	561	1	6
33	572	11	0	33	578	7	11
34	590	3	4	34	596	2	4
35	607	7	8	35	613	8	9
36	625	0	0	36	631	3	2
37	642	4	4	37	648	9	7
38	659	8	8	38	666	4	0
39	677	1	0	39	683	10	5
40	694	5	4	40	701	4	10
41	711	9	8	41	718	11	3
42	729	2	0	42	736	5	8
43	747	6	4	43	754	0	1
44	764	10	8	44	771	6	6
45	782	3	0	45	789	0	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	8	1 0	$\frac{1}{4}$	4	4	7 3
$\frac{1}{2}$	8	4	2 0	$\frac{1}{2}$	8	9	2 6
$\frac{3}{4}$	13	0	3 0	$\frac{3}{4}$	13	1	9 9

Ft. long	Side 50 $\frac{1}{2}$			Ft. long	Side 50 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	17	8	6	1	17	10	7
2	35	5	0	2	35	9	3
3	53	1	6	3	53	7	10
4	70	10	1	4	71	6	6
5	88	6	7	5	89	5	1
6	106	3	1	6	107	3	9
7	123	11	7	7	125	2	4
8	141	8	2	8	143	1	0
9	159	4	8	9	160	11	8
10	177	1	2	10	178	10	3
11	194	9	8	11	196	8	11
12	212	6	3	12	214	7	6
13	230	2	9	13	232	6	2
14	247	11	3	14	250	4	9
15	265	7	9	15	268	3	5
16	283	4	4	16	286	2	1
17	301	0	10	17	304	0	8
18	318	9	4	18	321	11	4
19	336	5	10	19	339	9	11
20	354	2	5	20	357	8	7
21	371	10	11	21	375	7	2
22	389	7	5	22	393	5	10
23	407	3	11	23	411	4	5
24	425	0	6	24	429	3	1
25	442	9	0	25	447	1	9
26	460	5	6	26	465	0	4
27	478	2	0	27	482	11	0
28	495	10	7	28	500	9	9
29	513	7	1	29	518	8	3
30	531	3	7	30	536	6	10
31	549	0	1	31	554	5	6
32	566	8	8	32	572	4	2
33	584	5	2	33	590	2	9
34	602	1	8	34	608	1	5
35	619	10	2	35	626	0	0
36	637	6	9	36	643	10	8
37	655	3	3	37	661	9	3
38	672	11	9	38	679	7	11
39	690	8	3	39	697	6	6
40	708	4	10	40	715	5	2
41	726	1	4	41	733	3	10
42	743	9	10	42	751	2	5
43	761	6	4	43	769	1	1
44	779	2	11	44	786	11	8
45	796	11	5	45	804	10	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	5	1 6	$\frac{1}{4}$	4	5	7 9
$\frac{1}{2}$	8	10	3 0	$\frac{1}{2}$	8	11	3 6
$\frac{3}{4}$	13	3	4 6	$\frac{3}{4}$	13	4	11 3

Ft. long	Side 51 Inch.			Ft. long	Side 51 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	18	0	9	1	18	2	10
2	36	1	6	2	36	5	9
3	54	2	3	3	54	8	7
4	72	3	0	4	72	11	6
5	90	3	9	5	91	2	4
6	108	4	6	6	109	5	3
7	126	5	3	7	127	8	1
8	144	6	0	8	145	11	0
9	162	6	9	9	164	1	11
10	180	7	6	10	182	4	9
11	198	8	3	11	200	7	8
12	216	9	0	12	218	10	6
13	234	9	9	13	237	1	5
14	252	10	6	14	255	4	3
15	270	11	3	15	273	7	2
16	289	0	0	16	291	10	1
17	307	0	9	17	310	0	11
18	325	1	6	18	328	3	10
19	343	2	3	19	346	6	8
20	361	3	0	20	364	9	7
21	379	3	9	21	383	0	5
22	397	4	6	22	401	3	4
23	415	5	3	23	419	6	2
24	433	6	0	24	437	9	1
25	451	6	9	25	456	0	0
26	469	7	6	26	474	2	10
27	487	8	3	27	492	5	9
28	505	9	0	28	510	8	7
29	523	9	9	29	528	11	6
30	541	10	6	30	547	2	4
31	559	11	3	31	565	5	3
32	578	0	0	32	583	8	2
33	596	0	9	33	601	11	0
34	614	1	6	34	620	1	11
35	632	2	3	35	638	4	9
36	650	3	0	36	656	7	8
37	668	3	9	37	674	10	6
38	686	4	6	38	693	1	5
39	704	5	3	39	711	4	3
40	722	6	0	40	729	7	2
41	740	6	9	41	747	10	1
42	758	7	6	42	766	0	11
43	776	8	3	43	784	3	10
44	794	9	0	44	802	6	8
45	812	9	9	45	820	9	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	6	2 3	$\frac{1}{4}$	4	6	8 6
$\frac{1}{2}$	9	0	4 6	$\frac{1}{2}$	9	1	5 0
$\frac{3}{4}$	13	6	6 9	$\frac{3}{4}$	13	8	1 6

Ft. long	Side $51\frac{1}{2}$			Ft. long	Side $51\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	18	5	0	1	18	7	1
2	36	10	0	2	37	2	2
3	55	3	0	3	55	9	3
4	73	8	1	4	74	4	4
5	92	1	1	5	92	11	5
6	110	6	1	6	111	6	6
7	128	11	1	7	130	1	7
8	147	4	2	8	148	8	8
9	165	9	2	9	167	3	9
10	184	2	2	10	185	10	10
11	202	7	2	11	204	5	11
12	221	0	3	12	223	1	0
13	239	5	3	13	241	8	1
14	257	10	3	14	260	3	2
15	276	3	3	15	278	10	3
16	294	8	4	16	297	5	5
17	313	1	4	17	316	0	6
18	331	6	4	18	334	7	7
19	349	11	4	19	353	2	8
20	368	4	5	20	371	9	9
21	386	9	5	21	390	4	10
22	405	2	5	22	408	11	11
23	423	7	5	23	427	7	0
24	442	0	6	24	446	2	1
25	460	5	6	25	464	9	2
26	478	10	6	26	483	4	3
27	497	3	6	27	501	11	4
28	515	8	7	28	520	6	5
29	534	1	7	29	539	1	6
30	552	6	7	30	557	8	7
31	570	11	7	31	576	3	8
32	589	4	8	32	594	10	10
33	607	9	8	33	613	5	11
34	626	2	8	34	632	1	0
35	644	7	8	35	650	8	1
36	663	0	9	36	669	3	2
37	681	5	9	37	687	10	3
38	699	10	9	38	706	5	4
39	718	3	9	39	725	0	5
40	736	8	10	40	743	7	6
41	755	1	10	41	762	3	7
42	773	6	10	42	780	10	8
43	791	11	10	43	809	5	9
44	810	4	11	44	818	0	10
45	828	9	11	45	836	7	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	7	3 0	$\frac{1}{4}$	4	7	9 3
$\frac{1}{2}$	9	2	6 0	$\frac{1}{2}$	9	3	6 6
$\frac{3}{4}$	13	9	9 0	$\frac{3}{4}$	13	11	3 9

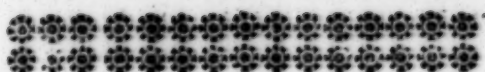
Ft. long	Side 52 Inch.			Ft. long	Side 52 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	18	9	4	1	18	11	6
2	37	6	8	2	37	11	0
3	56	4	0	3	56	10	6
4	75	1	4	4	75	10	0
5	93	10	8	5	94	9	6
6	112	8	0	6	113	9	0
7	131	5	4	7	132	8	6
8	150	2	8	8	151	8	0
9	169	0	0	9	170	7	6
10	187	9	4	10	189	7	0
11	206	6	8	11	208	6	6
12	225	4	0	12	227	6	0
13	244	1	4	13	246	5	6
14	262	10	8	14	265	5	0
15	281	8	0	15	284	4	6
16	300	5	4	16	303	4	1
17	319	2	8	17	322	3	7
18	338	0	0	18	341	3	1
19	356	9	4	19	360	2	7
20	375	6	8	20	379	2	1
21	394	4	0	21	398	1	7
22	413	1	4	22	417	1	1
23	431	10	8	23	436	0	7
24	450	8	0	24	455	0	1
25	469	5	4	25	473	11	7
26	488	2	8	26	492	11	1
27	507	0	0	27	511	10	7
28	525	9	4	28	530	10	1
29	544	6	8	29	549	9	7
30	563	4	0	30	568	9	1
31	582	1	4	31	587	8	7
32	600	10	8	32	606	8	2
33	619	8	0	33	625	7	8
34	638	5	4	34	644	7	2
35	657	2	8	35	663	6	8
36	676	0	0	36	682	6	2
37	694	9	4	37	701	5	8
38	713	6	8	38	720	5	2
39	732	4	0	39	739	4	8
40	751	1	4	40	758	4	2
41	769	10	8	41	777	3	8
42	788	8	0	42	796	3	2
43	807	5	4	43	815	2	2
44	826	2	8	44	834	2	8
45	845	0	0	45	853	1	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	8	4 0	$\frac{1}{4}$	4	8	10 6
$\frac{1}{2}$	9	4	8 0	$\frac{1}{2}$	9	5	9 0
$\frac{3}{4}$	14	1	0 0	$\frac{3}{4}$	14	2	7 6

Ft. long.	Side 52 $\frac{1}{2}$			Ft. long.	Side 52 $\frac{1}{4}$				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	19	1	8	1	19	3	10		
2	38	3	4	2	38	7	9		
3	57	5	0	3	57	11	7		
4	76	6	9	4	77	3	6		
5	95	8	5	5	96	7	4		
6	114	10	1	6	115	11	3		
7	133	11	9	7	135	3	1		
8	153	1	6	8	154	7	0		
9	172	3	2	9	173	10	11		
10	191	4	10	10	193	2	9		
11	210	6	6	11	212	6	8		
12	229	8	3	12	231	10	6		
13	248	9	11	13	251	2	5		
14	267	11	7	14	270	6	3		
15	287	1	3	15	289	10	2		
16	306	3	0	16	309	2	1		
17	325	4	8	17	328	5	11		
18	344	6	4	18	347	9	10		
19	363	8	0	19	367	1	8		
20	382	9	9	20	386	5	7		
21	401	11	5	21	405	9	5		
22	421	1	1	22	425	1	4		
23	440	2	9	23	444	5	2		
24	459	4	6	24	463	9	1		
25	478	6	2	25	483	1	0		
26	497	7	10	26	502	4	10		
27	516	9	6	27	521	8	9		
28	535	11	3	28	541	0	7		
29	555	0	11	29	560	4	6		
30	574	2	7	30	579	8	4		
31	593	4	3	31	599	0	3		
32	612	6	0	32	618	4	2		
33	631	7	8	33	637	0	6		
34	650	9	4	34	656	11	11		
35	669	11	0	35	676	2	9		
36	689	0	9	36	695	6	8		
37	708	2	5	37	714	10	6		
38	727	4	1	38	734	3	5		
39	746	5	9	39	753	7	3		
40	765	7	6	40	772	11	2		
41	784	9	2	41	792	3	1		
42	803	10	10	42	811	6	11		
43	823	0	6	43	830	10	10		
44	842	2	3	44	850	2	8		
45	861	3	11	45	869	6	7		
Quarters of a Foot.				Quarters of a Foot.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	4	9	5	0	$\frac{1}{4}$	4	9	11	6
$\frac{1}{2}$	9	6	10	0	$\frac{1}{2}$	9	7	11	0
$\frac{3}{4}$	14	4	3	0	$\frac{3}{4}$	14	5	10	6

Ft. long	Side 53 Inch.			Ft. long	Side 53 $\frac{1}{4}$				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	19	6	1	1	19	8	3		
2	39	0	2	2	39	4	7		
3	58	6	3	3	59	0	10		
4	78	0	4	4	78	9	2		
5	97	6	5	5	98	5	5		
6	117	0	6	6	118	1	9		
7	136	6	7	7	137	10	0		
8	156	0	8	8	157	6	4		
9	175	6	9	9	177	2	8		
10	195	0	10	10	196	10	11		
11	214	6	11	11	216	7	3		
12	234	1	0	12	236	3	9		
13	253	7	1	13	255	11	10		
14	273	1	2	14	275	8	1		
15	292	7	3	15	295	4	5		
16	312	1	4	16	315	0	9		
17	331	7	5	17	334	9	0		
18	351	1	6	18	354	5	4		
19	370	7	7	19	374	1	7		
20	390	1	8	20	393	9	11		
21	409	7	9	21	413	6	2		
22	429	1	10	22	433	2	6		
23	448	7	11	23	452	10	9		
24	467	2	0	24	472	7	1		
25	487	8	1	25	492	3	5		
26	507	2	2	26	511	11	8		
27	526	8	3	27	531	8	0		
28	546	2	4	28	551	4	3		
29	565	8	5	29	571	2	7		
30	585	2	6	30	590	10	10		
31	604	8	7	31	610	7	2		
32	624	2	8	32	630	3	6		
33	643	8	9	33	649	11	9		
34	663	2	10	34	669	8	1		
35	682	8	11	35	689	4	4		
36	702	3	0	36	709	0	8		
37	721	9	1	37	728	8	11		
38	741	3	2	38	748	5	3		
39	760	9	3	39	768	1	6		
40	780	3	4	40	797	9	10		
41	799	9	5	41	807	6	2		
42	819	3	6	42	827	2	5		
43	838	9	7	43	846	10	9		
44	858	3	8	44	866	7	0		
45	877	9	9	45	886	3	4		
Quarters of a Foot.				Quarters of a Foot.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	4	10	6	3	$\frac{1}{4}$	4	11	0	9
$\frac{1}{2}$	9	9	0	6	$\frac{1}{2}$	9	10	1	6
$\frac{3}{4}$	14	7	6	9	$\frac{3}{4}$	14	9	2	3

Ft. long	Side 53 $\frac{1}{2}$			Ft. long	Side 53 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	19	10	6	1	20	0	9
2	39	9	0	2	40	1	6
3	59	7	6	3	60	2	3
4	79	6	1	4	80	3	0
5	99	4	7	5	100	3	9
6	119	3	1	6	120	4	6
7	139	1	7	7	140	5	3
8	159	0	2	8	160	6	0
9	178	10	8	9	180	6	9
10	198	9	2	10	200	7	6
11	218	7	8	11	220	8	3
12	238	6	3	12	240	9	0
13	258	4	9	13	260	9	9
14	278	3	3	14	280	10	6
15	298	1	9	15	300	11	3
16	318	0	4	16	321	0	1
17	337	10	10	17	341	0	10
18	357	9	4	18	361	1	7
19	377	7	10	19	381	2	4
20	397	6	5	20	401	3	1
21	417	4	11	21	421	3	10
22	437	3	5	22	441	4	7
23	457	1	11	23	461	5	4
24	477	0	6	24	481	6	1
25	496	11	0	25	501	6	10
26	516	9	6	26	521	7	7
27	536	8	0	27	541	8	4
28	556	6	7	28	561	9	1
29	576	5	1	29	581	9	10
30	596	3	7	30	601	10	7
31	616	2	1	31	621	11	4
32	636	0	8	32	642	0	2
33	655	11	2	33	662	0	11
34	675	9	8	34	682	1	8
35	695	8	2	35	702	2	5
36	715	6	9	36	722	3	2
37	735	5	3	37	742	3	11
38	755	3	9	38	762	4	8
39	775	2	3	39	782	5	5
40	795	0	10	40	802	6	2
41	814	11	4	41	822	6	11
42	834	9	10	42	842	7	8
43	854	8	4	43	862	8	5
44	874	6	11	44	882	9	2
45	894	5	5	45	902	9	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	11	7 6	$\frac{1}{4}$	5	0	2 3
$\frac{1}{2}$	9	11	3 0	$\frac{1}{2}$	10	0	4 6
$\frac{3}{4}$	14	10	10 6	$\frac{3}{4}$	15	0	6 9

Ft. long	Side 54 Inch.		
	Ft.	In.	Pa.
1	20	3	0
2	40	6	0
3	60	9	0
4	81	0	0
5	101	3	0
6	121	6	0
7	141	9	0
8	162	0	0
9	182	3	0
10	202	6	0
11	222	9	0
12	243	0	0
13	263	3	0
14	283	6	0
15	303	9	0
16	324	0	0
17	344	3	0
18	364	6	0
19	384	9	0
20	405	0	0
21	425	3	0
22	445	6	0
23	465	9	0
24	486	0	0
25	506	3	0
26	526	6	0
27	546	9	0
28	567	0	0
29	587	3	0
30	607	6	0
31	627	9	0
32	648	0	0
33	668	3	0
34	688	6	0
35	708	9	0
36	729	0	0
37	749	3	0
38	769	6	0
39	789	9	0
40	810	0	0
41	830	3	0
42	850	6	0
43	870	9	0
44	891	0	0
45	911	3	0
Quarters of a Foot.			
	Ft.	In.	Pa. S.
$\frac{1}{4}$	5	0	9 0
$\frac{1}{2}$	10	1	6 0
$\frac{3}{4}$	15	2	3 0



N E W
TABLES,

Shewing the VALUE of
Timber, Stone, &c.

Cut to any Size or Scantling,

At the several Prices of

1s. 6d; 2s; 2s. 6d; and 3s.
per Foot Cube.

And which, by *Addition* or *Subtraction* only, will shew the Value at any *Greater* or *Lesser* Prices.

N. B. In the Table at 1s. 6d. 2s. and 2s. 6d. the Value is given in *Pence* and $\frac{1}{8}$ of a *Penny*: But in the Table at 3s. the Value is given in *Pence* and *Farthings*.



The NEW TABLE of Scantlings,
at 1s. 6d. per Foot Cube.

2 In. Sqr.								
by	d.	$\frac{1}{8}$						
2	0	5	4	1	4	2	4	2
3	0	6	2	1	5	9	4	4
2	0	7	5	1	7	2	4	6
4	1	0	2	2	0	10	5	0
2	1	1	6	2	2	2	5	2
5	1	2	2	2	3	11	5	4
2	1	3	7	2	5	2	5	6
6	1	4	2	2	6	12	6	0
2	1	5	8	3	0	4 $\frac{1}{2}$ Sqr.		
7	1	6	2	3	1	by	d.	$\frac{1}{8}$
2	1	7	9	3	3	2	2	4
8	2	0	2	3	4	5	2	6
2	2	1	10	3	6	2	3	0
9	2	2	2	3	7	2	3	3
2	2	3	11	4	1	6	3	5
10	2	4	2	4	2	2	3	7
2	2	5	12	4	4	7	4	1
11	2	6	3 $\frac{1}{2}$ Sqr.			8	4	4
2	2	7	by	d.	$\frac{1}{8}$	2	4	6
12	3	0	2	1	4	9	5	0
2 $\frac{1}{2}$ Sqr.			4	1	6	2	5	2
by	d.	$\frac{1}{8}$	2	1	7	10	5	5
2	0	6	5	2	1	2	5	7
3	0	7	2	2	3	11	6	1
2	1	0	6	2	4	2	6	3
4	1	2	2	2	6	12	6	6
2	1	3	7	3	0	5 In. Sqr.		
5	1	4	2	3	2	by	d.	$\frac{1}{8}$
2	1	5	8	3	4	5	3	1
6	1	7	2	3	5	2	3	3
2	2	0	9	3	7	6	3	6
7	2	1	2	4	1	2	3	8
2	2	2	10	4	3	7	4	3
8	2	4	2	4	4	2	4	5
2	2	5	11	4	6	8	5	0
9	2	6	2	5	0	2	5	2
2	2	7	12	5	2	9	5	5
3 In. Sqr.			4 In. Sqr.			2	5	7
by	d.	$\frac{1}{8}$	by	d.	$\frac{1}{8}$	10	6	2
3	1	1	4	2	0	2	6	4
2	1	2	2	2	2	11	6	7
3 $\frac{1}{2}$ Sqr.			5	2	4	2	7	1
by	d.	$\frac{1}{8}$	2	2	6	12	7	4
3	1	1	6	3	0	5 $\frac{1}{2}$ Sqr.		
2	1	2	2	3	2	by	d.	$\frac{1}{8}$
			7	3	4	2	3	6
			2	3	6	6	4	1
			8	4	0			

2	4	3	2	9	1	10	11	7
7	4	6	11	9	5	2	12	3
2	5	1	2	10	0	11	13	0
8	5	4	12	10	4	2	13	5
2	5	6	$7\frac{1}{2}$ Sqr.			12	14	2
9	6	1	by	d.	$\frac{1}{2}$	$10\frac{1}{2}$ In. Sqr.		
2	6	4	2	7	0	by	d.	$\frac{1}{8}$
10	6	7	8	7	4	10	12	4
2	7	1	2	7	7	2	13	1
11	7	4	9	8	3	11	13	6
2	7	7	2	8	7	2	14	3
12	8	2	10	9	3	12	15	0
$6\frac{1}{2}$ In. Sqr.			2	9	6	$10\frac{1}{2}$ Sqr.		
by	d.	$\frac{1}{8}$	11	10	2	by	d.	$\frac{1}{8}$
6	4	4	2	10	6	2	13	6
2	4	7	12	11	2	11	14	3
7	5	2	$8\frac{1}{2}$ In. Sqr.			2	15	0
2	5	5	by	d.	$\frac{1}{8}$	12	15	6
8	6	0	8	8	0	$11\frac{1}{2}$ In. Sqr.		
2	6	3	2	8	4	by	d.	$\frac{1}{8}$
9	6	6	9	9	0	11	15	1
2	7	1	2	9	4	2	15	6
10	7	4	10	10	0	12	16	4
2	7	7	2	10	4	$11\frac{1}{2}$ Sqr.		
11	8	2	11	11	0	by	d.	$\frac{1}{8}$
2	8	5	2	11	4	2	16	4
12	9	0	12	12	0	$11\frac{1}{2}$ In. Sqr.		
$6\frac{1}{2}$ Sqr.			$8\frac{1}{2}$ Sqr.			by	d.	$\frac{1}{8}$
by	d.	$\frac{1}{8}$	by	d.	$\frac{1}{8}$	2	16	4
2	5	2	2	9	0	12	17	2
7	5	5	9	9	4	$9\frac{1}{2}$ In. Sqr.		
2	6	0	2	10	0	by	d.	$\frac{1}{8}$
8	6	4	10	10	5	9	10	1
2	6	7	2	11	1	2	10	5
9	7	2	11	11	5	10	11	2
2	7	5	2	12	1	2	11	6
10	8	1	12	12	6	11	12	3
2	8	4	$9\frac{1}{2}$ Sqr.			2	12	7
11	8	7	by	d.	$\frac{1}{8}$	12	13	4
2	9	2	9	10	1	$9\frac{1}{2}$ In. Sqr.		
12	9	6	2	10	5	by	d.	$\frac{1}{8}$
$7\frac{1}{2}$ In. Sqr.			10	11	2	2	11	2
by	d.	$\frac{1}{8}$	2	11	6	$9\frac{1}{2}$ Sqr.		
7	6	1	11	12	3	by	d.	$\frac{1}{8}$
2	6	4	2	12	7	2	11	2
8	7	0	12	13	4	$9\frac{1}{2}$ In. Sqr.		
2	7	3	$9\frac{1}{2}$ Sqr.			by	d.	$\frac{1}{8}$
9	7	7	by	d.	$\frac{1}{8}$	2	11	2
2	8	2	2	11	2	$9\frac{1}{2}$ In. Sqr.		
10	8	6	$9\frac{1}{2}$ Sqr.			$9\frac{1}{2}$ In. Sqr.		

THE NEW TABLE of Scantlings,
at 2s. per Foot Cube.

2 In. Sqr.			4	2	0	9	6	0
by	d.	$\frac{1}{8}$	2	2	2	2	6	2
2	0	6	5	2	4	10	6	5
3	1	0	2	2	6	2	7	0
2	1	1	6	3	0	11	7	2
4	1	2	2	3	2	2	7	5
2	1	4	7	3	4	12	8	0
5	1	5	2	3	6	$4\frac{1}{2}$ Sqr.		
2	1	7	8	4	0	by	d.	$\frac{1}{8}$
6	2	0	2	4	2	2	3	3
2	2	1	9	4	4	5	3	6
7	2	2	2	4	6	2	4	1
2	2	4	10	5	0	6	4	4
8	2	5	2	5	2	2	4	7
2	2	6	11	5	4	7	5	2
9	3	0	2	5	6	2	5	5
2	3	1	12	6	0	8	6	0
10	3	2	$3\frac{1}{2}$ Sqr.			2	6	3
2	3	4	by	d.	$\frac{1}{8}$	9	6	6
11	3	5	2	2	0	2	7	1
2	3	6	4	2	2	10	7	4
12	4	0	2	2	5	2	7	7
$2\frac{1}{2}$ Sqr.			5	2	7	11	8	2
by	d.	$\frac{1}{8}$	2	3	2	2	8	5
2	1	0	6	3	4	12	9	0
3	1	2	2	3	6	5 In. Sqr.		
2	1	3	7	4	0	by	d.	$\frac{1}{8}$
4	1	5	2	4	3	5	4	1
2	1	7	8	4	5	2	4	4
5	2	0	2	4	7	6	5	0
2	2	2	9	5	2	2	5	3
6	2	4	2	5	4	7	5	6
2	2	5	10	5	6	2	6	2
7	2	6	2	6	0	2	6	5
2	3	1	11	6	2	8	7	0
8	3	2	2	6	5	2	7	4
2	3	4	12	7	0	9	7	7
9	3	6	4 In. Sqr.			2	7	2
2	3	7	by	d.	$\frac{1}{8}$	10	8	6
10	4	1	4	2	5	2	8	1
2	4	3	2	3	0	11	9	4
11	4	4	5	3	2	2	9	0
2	4	6	2	3	5	12	10	0
12	5	0	6	4	0	$5\frac{1}{2}$ Sqr.		
3 In. Sqr.			2	4	2	by	d.	$\frac{1}{8}$
by	d.	$\frac{1}{8}$	7	4	5	2	5	0
3	1	4	2	5	0	6	5	4
2	1	6	2	5	5	2	5	7

7	6	2	11	12	6	10	15	6
2	6	7	2	13	3	2	16	4
8	7	2	12	14	0	11	17	3
2	7	6	$7\frac{1}{2}$ Sqr.			2	18	2
9	8	2	by d. $\frac{1}{8}$			12	19	0
2	8	5	2	9	3	$10\frac{1}{2}$ In. Sqr.		
10	9	1	8	10	0	by d. $\frac{1}{8}$		
2	9	5	2	10	4	10	16	5
11	10	0	9	11	2	2	17	4
2	10	4	2	11	7	11	18	2
12	11	0	10	12	4	2	19	1
$6\frac{1}{2}$ In. Sqr.			2	13	1	12	20	0
by d. $\frac{1}{8}$			11	13	6	$10\frac{1}{2}$ Sqr.		
6	6	0	2	14	3	by d. $\frac{1}{8}$		
2	6	4	12	15	0	2	18	3
7	7	1	$8\frac{1}{2}$ In. Sqr.			11	19	2
2	7	4	by d. $\frac{1}{8}$			2	20	1
8	8	0	8	10	5	12	21	0
2	8	4	2	11	2	$11\frac{1}{2}$ In. Sqr.		
9	9	0	9	12	0	by d. $\frac{1}{8}$		
2	9	4	2	12	5	11	20	0
10	10	0	10	13	2	2	21	0
2	10	4	2	14	0	12	22	0
11	11	0	11	14	5	$11\frac{1}{2}$ Sqr.		
2	11	4	2	15	2	by d. $\frac{1}{8}$		
12	12	0	12	16	0	11	22	0
$6\frac{1}{2}$ Sqr.			$8\frac{1}{2}$ Sqr.			$11\frac{1}{2}$ Sqr.		
by d. $\frac{1}{8}$			by d. $\frac{1}{8}$			by d. $\frac{1}{8}$		
2	7	0	2	12	0	2	22	0
7	7	4	9	12	6	12	23	0
2	8	0	2	13	3	$9\frac{1}{2}$ In. Sqr.		
8	8	5	10	14	1	by d. $\frac{1}{8}$		
2	9	1	2	14	7	9	13	4
9	9	6	11	15	4	2	14	2
2	10	2	2	16	2	10	15	0
10	10	6	12	17	0	2	15	6
2	11	3	$9\frac{1}{2}$ In. Sqr.			11	16	4
11	11	7	by d. $\frac{1}{8}$			2	17	2
2	12	3	9	13	4	12	18	0
12	13	0	2	14	2	$9\frac{1}{2}$ Sqr.		
$7\frac{1}{2}$ In. Sqr.			by d. $\frac{1}{8}$			by d. $\frac{1}{8}$		
by d. $\frac{1}{8}$			7	8	1	2	15	0
2	8	6	2	8	6	$9\frac{1}{2}$ Sqr.		
8	9	2	10	15	0	by d. $\frac{1}{8}$		
2	9	7	2	16	4	2	15	6
9	10	4	11	17	2	11	16	4
2	11	0	12	18	0	2	17	2
10	11	5	$9\frac{1}{2}$ Sqr.			$9\frac{1}{2}$ Sqr.		
2	12	2	by d. $\frac{1}{8}$			by d. $\frac{1}{8}$		
			2	15	0			

The NEW TABLE of Scantlings,
at 2s. 6d. per Foot Cube.

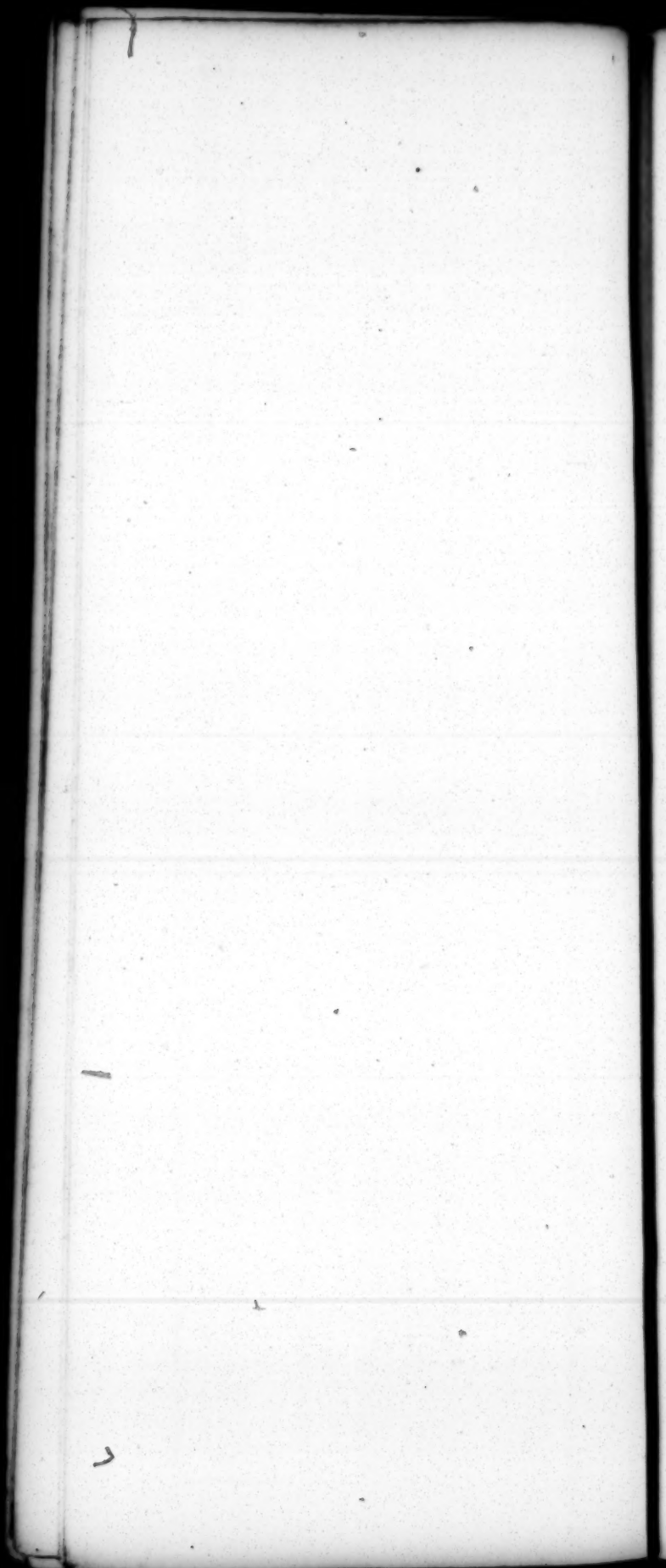
2 Inch Sqr.			4	2	4	9	7	2
by	d.	$\frac{1}{8}$						
2	1	0	5	3	1	10	8	1
3	1	1	2	3	3	2	8	4
2	1	3	6	3	6	11	9	0
4	1	5	2	4	0	2	9	4
2	1	6	7	4	2	12	10	0
5	2	0	2	4	4	$4\frac{1}{2}$ Sqr.		
2	2	2	8	5	0	by	d.	$\frac{1}{8}$
6	2	4	2	5	2	2	4	2
2	2	6	9	5	4	5	4	4
7	2	7	2	5	7	2	5	0
2	3	0	10	6	2	6	5	4
8	3	2	2	6	4	2	6	0
2	3	4	11	6	7	2	6	3
9	3	6	2	7	0	7	6	6
2	3	7	12	7	4	2	6	6
10	4	0	$3\frac{1}{2}$ Sqr.			8	7	2
2	4	2	by	d.	$\frac{1}{8}$	2	7	6
11	4	4	2	2	4	9	8	2
2	4	6	4	2	7	2	8	5
12	5	0	2	3	1	10	9	0
$2\frac{1}{2}$ Sqr.			5	3	4	2	9	4
by	d.	$\frac{1}{8}$	2	4	0	11	9	7
2	1	2	6	4	2	2	10	2
3	1	4	2	4	5	12	11	1
2	1	5	7	5	0	5 In. Sqr.		
4	2	0	2	5	4	by	d.	$\frac{1}{8}$
2	2	1	8	5	6	5	5	0
5	2	4	2	6	3	2	5	5
2	2	5	9	6	7	6	6	2
6	3	0	2	6	7	2	6	5
2	3	1	10	7	2	7	7	2
7	3	3	2	7	4	2	7	5
2	3	6	11	7	7	8	8	1
8	4	0	2	8	3	2	8	5
2	4	2	12	8	6	9	9	2
9	4	3	4 In. Sqr.			2	9	5
2	4	5	by	d.	$\frac{1}{8}$	10	10	2
10	5	0	4	3	2	2	10	5
2	5	1	2	3	7	11	11	1
11	5	3	5	4	1	2	11	5
2	5	6	2	4	4	12	12	4
12	6	2	6	5	0	$5\frac{1}{2}$ Sqr.		
3 In. Sqr.			2	5	2	by	d.	$\frac{1}{8}$
by	d.	$\frac{1}{8}$	7	5	6	2	6	2
3	1	7	2	6	2	6	6	7
2	2	1	2	7	0	2	7	2

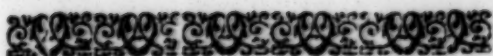
7	7	7	11	16	0	10	19	5
2	8	3	2	16	6	2	20	5
8	9	0	12	17	4	11	21	5
2	9	3	$7\frac{1}{2}$ Sqr.			2	22	6
9	10	0	by	d.	$\frac{1}{8}$	12	23	6
2	10	4	2	11	6	$10\frac{1}{2}$ In. Sqr.		
10	11	2	8	12	4	by	d.	$\frac{1}{8}$
2	11	5	2	13	1	10	20	6
11	12	1	9	14	0	2	21	7
2	12	6	2	14	6	11	22	4
12	13	6	10	15	5	2	23	7
$6\frac{1}{2}$ In. Sqr.			2	16	3	12	25	0
by	d.	$\frac{1}{8}$	11	17	1	$10\frac{1}{2}$ Sqr.		
6	7	4	2	17	7	by	d.	$\frac{1}{8}$
2	8	0	12	18	6	2	22	7
7	8	4	$8\frac{1}{2}$ In. Sqr.			11	24	0
2	9	0	by	d.	$\frac{1}{8}$	2	25	1
8	10	0	8	13	2	12	26	2
2	10	5	2	14	0	$11\frac{1}{2}$ In. Sqr.		
9	11	2	9	15	0	by	d.	$\frac{1}{8}$
2	11	7	2	15	6	11	25	0
10	12	4	10	16	4	2	26	2
2	13	1	2	17	4	12	27	4
11	13	6	11	18	2	$11\frac{1}{2}$ Sqr.		
2	14	2	2	19	0	by	d.	$\frac{1}{8}$
12	15	0	12	20	0	2	27	6
$6\frac{1}{2}$ Sqr.			$8\frac{1}{2}$ Sqr.			12	28	6
by	d.	$\frac{1}{8}$	by	d.	$\frac{1}{8}$	$11\frac{1}{2}$ Sqr.		
2	8	6	2	15	0	by	d.	$\frac{1}{8}$
7	9	2	9	15	7	2	27	6
2	10	0	2	16	5	12	28	6
8	10	7	10	17	5	$9\frac{1}{2}$ In. Sqr.		
2	11	3	2	18	4	by	d.	$\frac{1}{8}$
9	12	0	11	19	2	9	16	7
2	12	6	2	20	2	2	17	6
10	13	2	12	21	2	10	18	6
2	13	7	$9\frac{1}{2}$ Sqr.			2	19	2
11	14	2	by	d.	$\frac{1}{8}$	11	20	5
2	15	0	9	16	7	2	21	4
12	16	2	2	17	6	12	22	4
$7\frac{1}{2}$ In. Sqr.			10	18	6	$9\frac{1}{2}$ Sqr.		
by	d.	$\frac{1}{8}$	2	19	2	by	d.	$\frac{1}{8}$
7	10	1	11	20	5	2	18	6
2	10	7	2	21	4	$9\frac{1}{2}$ Sqr.		
8	11	4	12	22	4	by	d.	$\frac{1}{8}$
2	12	1	$9\frac{1}{2}$ Sqr.			2	18	6
9	13	1	by	d.	$\frac{1}{8}$	$9\frac{1}{2}$ Sqr.		
2	13	6	2	18	6	$9\frac{1}{2}$ Sqr.		
10	14	4	$9\frac{1}{2}$ Sqr.			$9\frac{1}{2}$ Sqr.		
2	15	3	$9\frac{1}{2}$ Sqr.			$9\frac{1}{2}$ Sqr.		

The NEW TABLE of Scantlings,
at 3s. per Foot Cube.

2 Inch Sqr.			4			2		
by	d.	q.						
2	1	1	4	3	0	2	8	2
3	1	2	2	3	1	9	9	0
2	1	3	5	3	3	2	9	2
4	2	0	2	4	0	10	10	0
2	2	1	6	4	2	2	10	2
5	2	2	2	4	3	11	11	0
2	2	3	7	5	1	2	11	2
6	3	0	2	5	2	12	12	0
2	3	1	8	6	0	4 $\frac{1}{2}$ Sqr.		
7	3	2	2	6	1	by	d.	q.
2	3	3	9	6	3	2	5	0
8	4	0	2	7	0	5	5	2
2	4	1	10	7	2	2	6	0
9	4	2	2	7	3	6	6	3
2	4	3	11	8	1	2	7	1
10	5	0	2	8	2	7	7	3
2	5	1	12	9	0	2	8	1
11	5	2	3 $\frac{1}{2}$ Sqr.			8	9	0
2	5	3	by	d.	q.	2	9	2
12	6	0	2	3	0	9	10	0
2 $\frac{1}{2}$ Sqr.			4	3	2	2	10	2
by	d.	q.	2	3	3	10	11	1
2	1	2	5	4	1	2	11	3
3	1	3	2	4	3	11	12	1
2	2	0	6	5	1	2	12	3
4	2	2	2	5	2	12	13	2
2	2	3	7	6	0	5 In. Sqr.		
5	3	0	2	6	2	by	d.	q.
2	3	1	8	7	0	5	6	1
6	3	3	2	7	1	2	6	3
2	4	0	9	7	3	6	7	2
7	4	1	2	8	1	2	8	0
2	4	2	10	8	3	7	8	3
8	5	0	2	9	0	2	9	1
2	5	1	11	9	2	8	10	0
9	5	2	2	10	0	2	10	2
2	5	3	12	10	2	9	11	1
10	6	1	4 In. Sqr.			2	11	3
2	6	2	by	d.	q.	10	12	2
11	6	3	4	4	0	2	13	0
2	7	0	2	4	2	11	13	3
12	7	2	5	5	0	2	14	1
3 In. Sqr.			2	5	2	12	15	0
by	d.	q.	6	6	0	5 $\frac{1}{2}$ Sqr.		
3	2	1	2	6	2	by	d.	q.
2	2	2	7	7	0	2	7	2
			2	7	2	6	8	1
			8	8	0			

2	8	3	2	18	1	10	23	3
7	9	2	11	19	1	2	24	3
2	10	1	2	20	0	11	26	0
8	11	0	12	21	0	2	27	1
2	11	2	$7\frac{1}{2}$ Sqr.			12	28	2
9	12	1	by	d.	q.	$10\frac{1}{2}$ Sqr.		
2	13	0	2	14	0	by	d.	q.
10	13	3	8	15	0	10	25	0
2	14	1	2	15	3	2	26	1
11	15	0	9	16	3	11	27	2
2	15	3	2	17	3	2	28	3
12	16	2	10	18	3	12	30	0
6 In. Sqr.			2	19	2	$10\frac{1}{2}$ Sqr.		
by	d.	q.	11	20	2	by	d.	q.
6	9	6	2	21	2	2	27	2
2	9	3	12	22	2	11	28	3
7	10	2	8 In. Sqr.			2	30	0
2	11	1	by	d.	q.	12	31	2
8	12	0	8	16	0	11 In. Sqr.		
2	12	3	2	17	0	by	d.	q.
9	13	2	9	18	0	11	30	1
2	14	1	2	19	0	2	31	2
10	15	0	10	20	0	12	33	0
2	15	3	2	21	0	$11\frac{1}{2}$ Sqr.		
11	16	2	11	22	0	by	d.	q.
2	17	1	2	23	0	2	33	0
12	18	0	12	24	0	12	34	2
$6\frac{1}{2}$ Sqr.			$8\frac{1}{2}$ Sqr.			$11\frac{1}{2}$ Sqr.		
by	d.	q.	by	d.	q.	by	d.	q.
2	10	2	2	18	0	2	33	0
7	11	1	9	19	0	12	34	2
2	12	0	2	20	0	9 In. Sqr.		
8	13	0	10	21	1	by	d.	q.
2	13	3	2	22	1	9	20	1
9	14	2	11	23	1	2	21	1
2	15	1	2	24	1	10	22	2
10	16	1	12	25	2	2	23	2
2	17	0	9 In. Sqr.			11	24	3
11	17	3	by	d.	q.	2	25	3
2	18	2	9	20	1	12	27	0
12	19	2	2	21	1	$9\frac{1}{2}$ Sqr.		
7 In. Sqr.			10	22	2	by	d.	q.
by	d.	q.	2	23	2	2	22	2
7	12	1	11	24	3	$9\frac{1}{2}$ Sqr.		
2	13	0	2	25	3	by	d.	q.
8	14	0	12	27	0	2	22	2
2	14	3	$9\frac{1}{2}$ Sqr.			$9\frac{1}{2}$ Sqr.		
9	15	3	by	d.	q.	by	d.	q.
2	16	2	2	22	2	2	22	2
10	17	2	$9\frac{1}{2}$ Sqr.			$9\frac{1}{2}$ Sqr.		



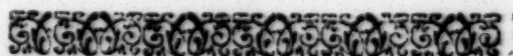


A N E W
T A B L E
 O F
Superficial,
 O R,
Flat Measure,

Ready cast up ;

Whereby the *Superficial Content*,
 and consequently the Value,
 of any Quantity of *Board*,
Glass, &c. may be found AT
 SIGHT, from *one Inch* to 24
Inches the BREADTH, and
 from a *Quarter* of an *Inch* to
 24 *Foot* the LENGTH.

And therefore, by *Addition* only, may
 serve to any greater *Breadth* or *Length*,
 if there should ever be Occasion.



Feet long.	1 Inch broad.			Feet long.	1 $\frac{1}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	1	0	1	0	1	3
2	0	2	0	2	0	2	6
3	0	3	0	3	0	3	9
4	0	4	0	4	0	5	0
5	0	5	0	5	0	6	3
6	0	6	0	6	0	7	6
7	0	7	0	7	0	8	9
8	0	8	0	8	0	10	0
9	0	9	0	9	0	11	3
10	0	10	0	10	1	0	6
11	0	11	0	11	1	1	9
12	1	0	0	12	1	3	0
13	1	1	0	13	1	4	3
14	1	2	0	14	1	5	6
15	1	3	0	15	1	6	9
16	1	4	0	16	1	8	0
17	1	5	0	17	1	9	3
18	1	6	0	18	1	10	6
19	1	7	0	19	1	11	9
20	1	8	0	20	2	1	0
21	1	9	0	21	2	2	3
22	1	10	0	22	2	3	6
23	1	11	0	23	2	4	9
24	2	0	0	24	2	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	1	0	1	0	0	1	3
2	0	0	2	0	2	0	0	2	6
3	0	0	3	0	3	0	0	3	9
4	0	0	4	0	4	0	0	5	0
5	0	0	5	0	5	0	0	6	3
6	0	0	6	0	6	0	0	7	6
7	0	0	7	0	7	0	0	8	9
8	0	0	8	0	8	0	0	10	0
9	0	0	9	0	9	0	0	11	3
10	0	0	10	0	10	0	1	0	6
11	0	0	11	0	11	0	1	1	9

Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	0	3	0		0	0	3	9
	0	0	6	0		0	0	7	6
	0	0	9	0		0	0	11	3

1 $\frac{1}{2}$ broad.				1 $\frac{1}{4}$ broad.			
Feet long.	Ft.	In.	Pa.	Feet long.	Ft.	In.	Pa.
1	0	1	6	1	0	1	9
2	0	3	0	2	0	3	6
3	0	4	6	3	0	5	3
4	0	6	0	4	0	7	0
5	0	7	6	5	0	8	9
6	0	9	0	6	0	10	6
7	0	10	6	7	1	0	3
8	1	0	0	8	1	2	0
9	1	1	6	9	1	3	9
10	1	3	0	10	1	5	6
11	1	4	6	11	1	7	3
12	1	6	0	12	1	9	0
13	1	7	6	13	1	10	9
14	1	9	0	14	2	0	6
15	1	10	6	15	2	2	3
16	2	0	0	16	2	4	0
17	2	1	6	17	2	5	9
18	2	3	0	18	2	7	6
19	2	4	6	19	2	9	3
20	2	6	0	20	2	11	0
21	2	7	6	21	3	0	9
22	2	9	0	22	3	2	6
23	2	10	6	23	3	4	3
24	3	0	0	24	3	6	0
Inches long.				Inches long.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	0	1 6	1	0	0	1 9
2	0	0	3 0	2	0	0	3 6
3	0	0	4 6	3	0	0	5 3
4	0	0	6 0	4	0	0	7 0
5	0	0	7 6	5	0	0	8 9
6	0	0	9 0	6	0	0	10 6
7	0	0	10 6	7	0	1	0 3
8	0	1	0 0	8	0	1	2 0
9	0	1	1 6	9	0	1	3 9
10	0	1	3 0	10	0	1	5 6
11	0	1	4 6	11	0	1	7 3
Qrs. In. long.				Qrs. In. long.			
	In.	Pa.	S. T.		In.	Pa.	S. T.
	0	0	4 6		0	0	5 3
	0	0	9 0		0	0	10 6
	0	1	1 6		0	1	3 9

Feet long.	2 Inch broad.			Feet long.	2 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	2	0	1	0	2	3		
2	0	4	0	2	0	4	6		
3	0	6	0	3	0	6	9		
4	0	8	0	4	0	9	0		
5	0	10	0	5	0	11	3		
6	1	0	0	6	1	1	6		
7	1	2	0	7	1	3	9		
8	1	4	0	8	1	6	0		
9	1	6	0	9	1	8	3		
10	1	8	0	10	1	10	6		
11	1	10	0	11	2	0	9		
12	2	0	0	12	2	3	0		
13	2	2	0	13	2	5	3		
14	2	4	0	14	2	7	6		
15	2	6	0	15	2	9	9		
16	2	8	0	16	3	0	0		
17	2	10	0	17	3	2	3		
18	3	0	0	18	3	4	6		
19	3	2	0	19	3	6	9		
20	3	4	0	20	3	9	0		
21	3	6	0	21	3	11	3		
22	3	8	0	22	4	1	6		
23	3	10	0	23	4	3	9		
24	4	0	0	24	4	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	2	0	1	0	0	2	3
2	0	0	4	0	2	0	0	4	6
3	0	0	6	0	3	0	0	6	9
4	0	0	8	0	4	0	0	9	0
5	0	0	10	0	5	0	0	11	3
6	0	1	0	0	6	0	1	1	6
7	0	1	2	0	7	0	1	3	9
8	0	1	4	0	8	0	1	6	0
9	0	1	6	0	9	0	1	8	3
10	0	1	8	0	10	0	2	10	6
11	0	1	10	0	11	0	3	0	9
Pcs. In. long.					Pcs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	0	6	0		0	0	6	9
	0	1	0	0		0	1	1	6
	0	1	6	0		0	1	8	3

Feet long.	2 $\frac{1}{2}$ broad.			Feet long.	2 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	2	6	1	0	2	9		
2	0	5	0	2	0	5	6		
3	0	7	6	3	0	8	3		
4	0	10	0	4	0	11	0		
5	1	0	6	5	1	1	9		
6	1	3	0	6	1	4	6		
7	1	5	6	7	1	7	3		
8	1	8	0	8	1	10	0		
9	1	10	6	9	2	0	9		
10	2	1	0	10	2	3	6		
11	2	3	6	11	2	6	3		
12	2	6	0	12	2	9	0		
13	2	8	6	13	2	11	9		
14	2	11	0	14	3	2	6		
15	3	1	6	15	3	5	3		
16	3	4	0	16	3	8	0		
17	3	6	6	17	3	10	9		
18	3	9	0	18	4	1	6		
19	3	11	6	19	4	4	3		
20	4	2	0	20	4	7	0		
21	4	4	6	21	4	9	9		
22	4	7	0	22	5	0	6		
23	4	9	6	23	5	3	3		
24	5	0	0	24	5	6	0		
Inches long.				Inches long.					
	Ft.	In.	Pa.		S.	Ft.	In.	Pa.	S.
1	0	0	2	6	1	0	0	2	9
2	0	0	5	0	2	0	0	5	6
3	0	0	7	6	3	0	0	8	3
4	0	0	10	0	4	0	0	11	0
5	0	1	0	6	5	0	1	1	9
6	0	1	3	0	6	0	1	4	6
7	0	1	5	6	7	0	1	7	3
8	0	1	8	0	8	0	1	10	0
9	0	1	10	6	9	0	2	0	9
10	0	2	1	0	10	0	2	3	6
11	0	2	3	6	11	0	2	6	3
Qrs. In. long.				Qrs. In. long.					
	In.	Pa.	S.		T.	In.	Pa.	S.	T.
	0	0	7	6		0	0	8	3
	0	1	3	0		0	1	4	6
	0	1	10	6		0	2	0	9

Feet long.	3 Inch broad.			Feet long.	3 1/4 broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	3	0	1	0	3	3		
2	0	6	0	2	0	6	6		
3	0	9	0	3	0	9	9		
4	1	0	0	4	1	1	0		
5	1	3	0	5	1	4	3		
6	1	6	0	6	1	7	6		
7	1	9	0	7	1	10	9		
8	2	0	0	8	2	2	0		
9	2	3	0	9	2	5	3		
10	2	6	0	10	2	8	6		
11	2	9	0	11	2	11	9		
12	3	0	0	12	3	3	0		
13	3	3	0	13	3	6	3		
14	3	6	0	14	3	9	6		
15	3	9	0	15	4	0	9		
16	4	0	0	16	4	4	0		
17	4	3	0	17	4	7	3		
18	4	6	0	18	4	10	6		
19	4	9	0	19	5	1	9		
20	5	0	0	20	5	5	0		
21	5	3	0	21	5	8	3		
22	5	6	0	22	5	11	6		
23	5	9	0	23	6	2	9		
24	6	0	0	24	6	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	3	0	1	0	0	3	3
2	0	0	6	0	2	0	0	6	6
3	0	0	9	0	3	0	0	9	9
4	0	1	0	0	4	0	1	1	0
5	0	1	3	0	5	0	1	4	3
6	0	1	6	0	6	0	1	7	6
7	0	1	9	0	7	0	1	10	9
8	0	2	0	0	8	0	2	2	0
9	0	2	3	0	9	0	2	5	3
10	0	2	6	0	10	0	2	8	6
11	0	2	9	0	11	0	2	11	9
Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
1/4	0	0	9	0	1/4	0	0	9	9
1/2	0	1	6	0	1/2	0	1	7	6
3/4	0	2	3	0	3/4	0	2	5	3

3 1/2 broad.				3 1/4 broad.			
Ft. In. Pa.				Ft. In. Pa.			
1	0	3	6	1	0	3	9
2	0	7	0	2	0	7	6
3	0	10	6	3	0	11	3
4	1	2	0	4	1	3	0
5	1	5	6	5	1	6	9
6	1	9	0	6	1	10	6
7	2	0	6	7	2	2	3
8	2	4	0	8	2	6	0
9	2	7	6	9	2	9	9
10	2	11	0	10	3	1	6
11	3	2	6	11	3	5	3
12	3	6	0	12	3	9	0
13	3	9	6	13	4	0	9
14	4	1	0	14	4	4	6
15	4	4	6	15	4	8	3
16	4	8	0	16	5	0	0
17	4	11	6	17	5	3	9
18	5	3	0	18	5	7	6
19	5	6	6	19	5	11	3
20	5	10	0	20	6	3	0
21	6	1	6	21	6	6	9
22	6	5	0	22	6	10	6
23	6	8	6	23	7	2	3
24	7	0	0	24	7	6	0

Ft. In. Pa. S.				Ft. In. Pa. S.					
1	0	0	3	6	1	0	0	3	9
2	0	0	7	0	2	0	0	7	6
3	0	0	10	6	3	0	0	11	3
4	0	1	2	0	4	0	1	3	0
5	0	1	5	6	5	0	1	6	9
6	0	1	9	0	6	0	1	10	6
7	0	2	0	6	7	0	2	2	3
8	0	2	4	0	8	0	2	6	0
9	0	2	7	6	9	0	2	9	9
10	0	2	11	0	10	0	3	1	6
11	0	3	2	6	11	0	3	5	3

In. Pa. S. T.				In. Pa. S. T.					
	0	0	10	6		0	0	11	3
	0	1	9	0		0	1	10	6
	0	2	7	6		0	2	9	9

4 Inch broad.				4 1/4 broad.			
Feet long.				Feet long.			
Ft.	In.	Pa.		Ft.	In.	Pa.	
1	0	4	0	1	0	4	3
2	0	8	0	2	0	3	6
3	1	0	0	3	1	0	9
4	1	4	0	4	1	5	0
5	1	8	0	5	1	9	3
6	2	0	0	6	2	1	6
7	2	4	0	7	2	5	9
8	2	8	0	8	2	10	0
9	3	0	0	9	3	2	3
10	3	4	0	10	3	6	0
11	3	8	0	11	3	10	9
12	4	0	0	12	4	3	0
13	4	4	0	13	4	7	3
14	4	8	0	14	4	11	6
15	5	0	0	15	5	3	9
16	5	4	0	16	5	8	0
17	5	8	0	17	6	0	3
18	6	0	0	18	6	4	6
19	6	4	0	19	6	8	9
20	6	8	0	20	7	1	0
21	7	0	0	21	7	5	3
22	7	4	0	22	7	9	6
23	7	8	0	23	8	1	9
24	8	0	0	24	8	6	0
Inches long.				Inches long.			
Ft.	In.	Pa.	S.	Ft.	In.	Pa.	S.
1	0	0	4	0	0	4	3
2	0	0	8	0	0	8	6
3	0	1	0	0	1	0	9
4	0	1	4	0	1	5	0
5	0	1	8	0	1	9	3
6	0	2	0	0	2	1	6
7	0	2	4	0	2	5	9
8	0	2	8	0	2	10	0
9	0	3	0	0	3	2	3
10	0	3	4	0	3	6	6
11	0	3	8	0	3	10	9
Qrs. In. long.				Qrs. In. long.			
In.	Pa.	S.	T.	In.	Pa.	S.	T.
0	1	0	0	0	1	0	9
0	2	0	0	0	2	1	6
0	3	0	0	0	3	2	3

4 1/2 broad.				4 1/2 broad.					
Feet long.	Ft.	In.	Pa.	Feet long.	Ft.	In.	Pa.		
1	0	4	6	1	0	4	9		
2	0	9	0	2	0	9	6		
3	1	1	6	3	1	2	3		
4	1	6	0	4	1	7	0		
5	1	10	6	5	1	11	9		
6	2	3	0	6	2	4	6		
7	2	7	6	7	2	9	3		
8	3	0	0	8	3	2	0		
9	3	4	6	9	3	6	9		
10	3	9	0	10	3	11	6		
11	4	1	6	11	4	4	3		
12	4	6	0	12	4	9	0		
13	4	10	6	13	5	1	9		
14	5	3	0	14	5	6	6		
15	5	7	6	15	5	11	3		
16	6	0	0	16	6	4	0		
17	6	4	6	17	6	8	9		
18	6	9	0	18	7	1	6		
19	7	1	6	19	7	6	3		
20	7	6	0	20	7	11	0		
21	7	10	6	21	8	3	9		
22	8	3	0	22	8	8	6		
23	8	7	6	23	9	1	3		
24	9	0	0	24	9	6	0		
Inches long.				Inches long.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	4	6	1	0	0	4	9
2	0	0	9	0	2	0	0	9	6
3	0	1	1	6	3	0	1	2	3
4	0	1	6	0	4	0	1	7	0
5	0	1	10	6	5	0	1	11	9
6	0	2	3	0	6	0	2	4	6
7	0	2	7	6	7	0	2	9	3
8	0	3	0	0	8	0	3	2	0
9	0	3	4	6	9	0	3	6	9
10	0	3	9	0	10	0	3	11	6
11	0	4	1	6	11	0	4	4	3
Fris. In. long.				Fris. In. long.					
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	1	1	6		0	1	2	3
	0	2	3	0		0	2	4	6
	0	3	4	6		0	3	6	9

4 Inch broad.			
Ft.	In.	Pa.	
1	0	4	0
2	0	8	0
3	1	0	0
4	1	4	0
5	1	8	0
6	2	0	0
7	2	4	0
8	2	8	0
9	3	0	0
10	3	4	0
11	3	8	0
12	4	0	0
13	4	4	0
14	4	8	0
15	5	0	0
16	5	4	0
17	5	8	0
18	6	0	0
19	6	4	0
20	6	8	0
21	7	0	0
22	7	4	0
23	7	8	0
24	8	0	0

Inches long.			
Ft.	In.	Pa.	S.
1	0	0	4
2	0	0	8
3	0	1	0
4	0	1	4
5	0	1	8
6	0	2	0
7	0	2	4
8	0	2	8
9	0	3	0
10	0	3	4
11	0	3	8

Qu. In. long.			
In.	Pa.	S.	T.
0	1	0	0
0	2	0	0
0	3	0	0

4 1/2 broad.			
Ft.	In.	Pa.	
1	0	4	3
2	0	3	6
3	1	0	9
4	1	5	0
5	1	9	3
6	2	1	6
7	2	5	9
8	2	10	0
9	3	2	3
10	3	6	6
11	3	10	9

Inches long.			
Ft.	In.	Pa.	S.
1	0	0	4
2	0	0	8
3	0	1	0
4	0	1	5
5	0	1	9
6	0	2	1
7	0	2	5
8	0	2	10
9	0	3	2
10	0	3	6
11	0	3	10

Qu. In. long.			
In.	Pa.	S.	T.
0	1	0	9
0	2	1	6
0	3	2	3

4 $\frac{1}{2}$ broad.				4 $\frac{1}{4}$ broad.			
Ft. In. Pa.				Ft. In. Pa.			
1	0	4	6	1	0	4	9
2	0	9	0	2	0	9	6
3	1	1	6	3	1	2	3
4	1	6	0	4	1	7	0
5	1	10	6	5	1	11	9
6	2	3	0	6	2	4	6
7	2	7	6	7	2	9	3
8	3	0	0	8	3	2	0
9	3	4	6	9	3	6	9
10	3	9	0	10	3	11	6
11	4	1	6	11	4	4	3
12	4	6	0	12	4	9	0
13	4	10	6	13	5	1	9
14	5	3	0	14	5	6	6
15	5	7	6	15	5	11	3
16	6	0	0	16	6	4	0
17	6	4	6	17	6	8	9
18	6	9	0	18	7	1	6
19	7	1	6	19	7	6	3
20	7	6	0	20	7	11	0
21	7	10	6	21	8	3	9
22	8	3	0	22	8	8	6
23	8	7	6	23	9	1	3
24	9	0	0	24	9	6	0
Inches long.				Inches long.			
Ft. In. Pa. S.				Ft. In. Pa. S.			
1	0	0	4	6	0	0	4
2	0	0	9	0	0	9	6
3	0	1	1	6	0	1	2
4	0	1	6	0	1	7	0
5	0	1	10	6	0	1	11
6	0	2	3	0	2	4	6
7	0	2	7	0	2	9	3
8	0	3	0	0	3	2	0
9	0	3	4	0	3	6	9
10	0	3	9	0	3	11	6
11	0	4	1	0	4	4	3
Quarts. In. long.				Quarts. In. long.			
In. Pa. S. T.				In. Pa. S. T.			
0	1	1	6	0	1	2	3
0	2	3	0	0	2	4	6
0	3	4	6	0	3	6	9

Feet long.	5 Inch broad.			Feet long.	5 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	5	0	1	0	5	3		
2	0	10	0	2	0	10	6		
3	1	3	0	3	1	3	9		
4	1	8	0	4	1	9	0		
5	2	1	0	5	2	2	3		
6	2	6	0	6	2	7	6		
7	2	11	0	7	3	0	9		
8	3	4	0	8	3	6	0		
9	3	9	0	9	3	11	3		
10	4	2	0	10	4	4	6		
11	4	7	0	11	4	9	9		
12	5	0	0	12	5	3	0		
13	5	5	0	13	5	8	3		
14	5	10	0	14	6	1	6		
15	6	3	0	15	6	6	9		
16	6	8	0	16	7	0	0		
17	7	1	0	17	7	5	3		
18	7	6	0	18	7	10	6		
19	7	11	0	19	8	3	9		
20	8	4	0	20	8	9	0		
21	8	9	0	21	9	2	3		
22	9	2	0	22	9	7	6		
23	9	7	0	23	10	0	9		
24	10	0	0	24	10	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	5	0	1	0	0	5	3
2	0	0	10	0	2	0	0	10	6
3	0	1	3	0	3	0	1	3	9
4	0	1	8	0	4	0	1	9	0
5	0	2	1	0	5	0	2	2	3
6	0	2	6	0	6	0	2	7	6
7	0	2	11	0	7	0	3	0	9
8	0	3	4	0	8	0	3	6	0
9	0	3	9	0	9	0	3	11	3
10	0	4	2	0	10	0	4	9	6
11	0	4	7	0	11	0	4	4	9
Qrs In. long.					Qrs In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	1	3	0		0	1	3	9
	0	2	6	0		0	2	7	6
	0	3	9	0		0	3	11	3

Feet long.	5 $\frac{1}{2}$ broad.			Feet long.	5 $\frac{1}{2}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	5	6	1	0	5	9
2	0	11	0	2	0	11	6
3	1	4	6	3	1	5	3
4	1	10	0	4	1	11	0
5	2	3	6	5	2	4	9
6	2	9	0	6	2	10	6
7	3	2	6	7	3	4	3
8	3	8	0	8	3	10	0
9	4	1	6	9	4	3	9
10	4	7	0	10	4	9	6
11	5	0	6	11	5	3	3
12	5	6	0	12	5	9	0
13	5	11	6	13	6	2	9
14	6	5	0	14	6	8	6
15	6	10	6	15	7	2	3
16	7	4	0	16	7	8	0
17	7	9	6	17	8	1	9
18	8	3	0	18	8	7	6
19	8	8	6	19	9	1	3
20	9	2	0	20	9	7	0
21	9	7	6	21	10	0	9
22	10	1	0	22	10	6	6
23	10	6	6	23	11	2	3
24	11	0	0	24	11	8	0

Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	5	6	1	0	0	5	9
2	0	0	11	0	2	0	0	11	6
3	0	1	4	6	3	0	1	5	3
4	0	1	10	0	4	0	1	11	0
5	0	2	3	6	5	0	2	4	9
6	0	2	9	0	6	0	2	10	6
7	0	3	2	6	7	0	3	4	3
8	0	3	8	0	8	0	3	10	0
9	0	4	1	6	9	0	4	3	9
10	0	4	7	0	10	0	4	9	6
11	0	5	0	6	11	0	5	3	3

Prs. In. long.	In. Pa. S. T.				Prs. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	1	4	6		0	1	5	3
	0	2	9	0		0	2	10	6
	0	4	1	6		0	4	3	9

6 Inch broad.				6 $\frac{1}{4}$ broad.					
<i>Feet long.</i>	Ft.	In.	Pa.	<i>Feet long.</i>	Ft.	In.	Pa.		
1	0	6	0	1	0	6	3		
2	1	0	0	2	1	0	6		
3	1	6	0	3	1	6	9		
4	2	0	0	4	2	1	0		
5	2	6	0	5	2	7	3		
6	3	0	0	6	3	1	6		
7	3	6	0	7	3	7	9		
8	4	0	0	8	4	2	0		
9	4	6	0	9	4	8	3		
10	5	0	0	10	5	2	6		
11	5	6	0	11	5	8	9		
12	6	0	0	12	6	3	0		
13	6	6	0	13	6	9	3		
14	7	0	0	14	7	3	6		
15	7	6	0	15	7	9	9		
16	8	0	0	16	8	4	0		
17	8	6	0	17	8	10	3		
18	9	0	0	18	9	4	6		
19	9	6	0	19	9	10	9		
20	10	0	0	20	10	5	0		
21	10	6	0	21	10	11	3		
22	11	0	0	22	11	5	6		
23	11	6	0	23	11	11	9		
24	12	0	0	24	12	6	0		
<i>Inches long.</i>				<i>Inches long.</i>					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	6	0	1	0	0	6	3
2	0	1	0	0	2	0	1	0	6
3	0	1	6	0	3	0	1	6	9
4	0	2	0	0	4	0	2	1	0
5	0	2	6	0	5	0	2	7	3
6	0	3	0	0	6	0	3	1	6
7	0	3	6	0	7	0	3	7	9
8	0	4	0	0	8	0	4	2	0
9	0	4	6	0	9	0	4	8	3
10	0	5	0	0	10	0	5	2	6
11	0	5	6	0	11	0	5	8	9
<i>Qrs. In. long.</i>				<i>Qrs. In. long.</i>					
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	1	6	0		0	1	6	9
	0	3	0	0		0	3	1	6
	0	4	6	0		0	4	8	3

6 $\frac{1}{2}$ broad.				6 $\frac{1}{4}$ broad.			
Feet long.	Ft.	In.	Pa.	Feet long.	Ft.	In.	Pa.
1	0	6	6	1	0	6	9
2	1	1	0	2	1	1	6
3	1	7	6	3	1	8	3
4	2	2	0	4	2	3	0
5	2	8	6	5	2	9	9
6	3	3	0	6	3	4	6
7	3	9	6	7	3	11	3
8	4	4	0	8	4	6	0
9	4	10	6	9	5	0	9
10	5	5	0	10	5	7	6
11	5	11	6	11	6	2	3
12	6	6	0	12	6	9	0
13	7	0	6	13	7	3	9
14	7	7	0	14	7	10	6
15	8	1	6	15	8	5	3
16	8	8	0	16	9	0	0
17	9	2	6	17	9	6	9
18	9	9	0	18	10	1	6
19	10	3	6	19	10	8	3
20	10	10	0	20	11	3	0
21	11	4	6	21	11	9	9
22	11	11	0	22	12	4	6
23	12	5	6	23	12	11	3
24	13	0	0	24	13	6	0
Inches long.	Ft.	In.	Pa.	Inches long.	Ft.	In.	Pa.
1	0	0	6	1	0	0	6
2	0	1	1	2	0	1	1
3	0	1	7	3	0	1	8
4	0	2	2	4	0	2	3
5	0	2	8	5	0	2	9
6	0	3	3	6	0	3	4
7	0	3	9	7	0	3	11
8	0	4	4	8	0	4	6
9	0	4	10	9	0	5	0
10	0	5	5	10	0	5	7
11	0	5	11	11	0	6	2
Qrs. In. long.	In.	Pa.	S.	Qrs. In. long.	In.	Pa.	S.
	0	1	7		0	1	8
	0	3	3		0	3	4
	0	4	10		0	5	0

Feet long.	7 Inch broad.			Feet long.	7 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	7	0	1	0	7	3		
2	1	2	0	2	1	2	6		
3	1	9	0	3	1	9	9		
4	2	4	0	4	2	5	0		
5	2	11	0	5	3	0	3		
6	3	6	0	6	3	7	6		
7	4	1	0	7	4	2	9		
8	4	8	0	8	4	10	0		
9	5	3	0	9	5	5	3		
10	5	10	0	10	6	0	6		
11	6	5	0	11	6	7	9		
12	7	0	0	12	7	3	0		
13	7	7	0	13	7	10	3		
14	8	2	0	14	8	5	6		
15	8	9	0	15	9	0	9		
16	9	4	0	16	9	8	0		
17	9	11	0	17	10	3	3		
18	10	6	0	18	10	10	6		
19	11	1	0	19	11	5	9		
20	11	8	0	20	12	1	0		
21	12	3	0	21	12	8	3		
22	12	10	0	22	13	3	6		
23	13	5	0	23	13	10	9		
24	14	0	0	24	14	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	7	0	1	0	0	7	3
2	0	1	2	0	2	0	1	2	6
3	0	1	9	0	3	0	1	9	9
4	0	2	4	0	4	0	2	5	0
5	0	2	11	0	5	0	3	0	3
6	0	3	6	0	6	0	3	7	6
7	0	4	1	0	7	0	4	2	9
8	0	4	8	0	8	0	4	10	0
9	0	5	3	0	9	0	5	5	3
10	0	5	10	0	10	0	6	0	6
11	0	6	5	0	11	0	6	7	9
Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	1	9	0		0	1	9	9
	0	3	6	0		0	3	7	6
	0	5	3	0		0	5	5	3

7 $\frac{1}{2}$ broad.				7 $\frac{1}{2}$ broad.					
Feet long.	Ft. In. Pa.			Feet long.	Ft. In. Pa.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	7	6	1	0	7	9		
2	1	3	0	2	1	3	6		
3	1	10	6	3	1	11	3		
4	2	6	0	4	2	7	0		
5	3	1	6	5	3	2	9		
6	3	9	0	6	3	10	6		
7	4	4	6	7	4	6	3		
8	5	0	0	8	5	2	0		
9	5	7	6	9	5	9	9		
10	6	3	0	10	6	5	6		
11	6	10	6	11	7	1	3		
12	7	6	0	12	7	9	0		
13	8	1	6	13	8	4	9		
14	8	9	0	14	9	0	6		
15	9	4	6	15	9	8	3		
16	10	0	0	16	10	4	0		
17	10	7	6	17	10	11	9		
18	11	3	0	18	11	7	6		
19	11	10	6	19	12	3	3		
20	12	6	0	20	12	11	0		
21	13	1	6	21	13	6	9		
22	13	9	0	22	14	2	6		
23	14	4	6	23	14	10	3		
24	15	0	0	24	15	6	0		
Inches long.				Inches long.					
Ft. In. Pa. S.				Ft. In. Pa. S.					
1	0	0	7	6	1	0	0	7	9
2	0	1	3	0	2	0	1	3	6
3	0	1	10	6	3	0	1	11	3
4	0	2	6	0	4	0	2	7	0
5	0	3	1	6	5	0	3	2	9
6	0	3	9	0	6	0	3	10	6
7	0	4	4	6	7	0	4	6	3
8	0	5	0	0	8	0	5	2	0
9	0	5	7	6	9	0	5	9	9
10	0	6	3	0	10	0	6	5	6
11	0	6	10	6	11	0	7	1	3
Quarts. In. long.				Quarts. In. long.					
In. Pa. S. T.				In. Pa. S. T.					
	0	1	10	6		0	1	11	3
	0	3	9	0		0	3	10	6
	0	5	7	6		0	5	9	9

Feet long.	8 Inch broad.			Feet long.	8 $\frac{1}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	8	0	1	0	8	3
2	1	4	0	2	1	4	6
3	2	0	0	3	2	0	9
4	2	8	0	4	2	9	0
5	3	4	0	5	3	5	3
6	4	0	0	6	4	1	6
7	4	8	0	7	4	9	9
8	5	4	0	8	5	6	0
9	6	0	0	9	6	2	3
10	6	8	0	10	6	10	6
11	7	4	0	11	7	6	9
12	8	0	0	12	8	3	0
13	8	8	0	13	8	11	3
14	9	4	0	14	9	7	6
15	10	0	0	15	10	3	9
16	10	8	0	16	11	0	0
17	11	4	0	17	11	8	3
18	12	0	0	18	12	4	6
19	12	8	0	19	13	0	9
20	13	4	0	20	13	9	0
21	14	0	0	21	14	5	3
22	14	8	0	22	15	1	6
23	15	4	0	23	15	9	9
24	16	0	0	24	16	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	8	0	1	0	0	8	3
2	0	1	4	0	2	0	1	4	6
3	0	2	0	0	3	0	2	0	9
4	0	2	8	0	4	0	2	9	0
5	0	3	4	0	5	0	3	5	3
6	0	4	0	0	6	0	4	1	6
7	0	4	8	0	7	0	4	9	9
8	0	5	4	0	8	0	5	6	0
9	0	6	0	0	9	0	6	2	3
10	0	6	8	0	10	0	6	10	6
11	0	7	4	0	11	0	7	6	9

Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	2	0	0		0	2	0	9
	0	4	0	0		0	4	1	6
	0	6	0	0		0	6	2	3

8 $\frac{1}{2}$ broad.				8 $\frac{3}{4}$ broad.					
Feet long.	Ft.	In.	Pa.	Feet long.	Ft.	In.	Pa.		
1	0	8	6	1	0	8	9		
2	1	5	0	2	1	5	6		
3	2	1	6	3	2	2	3		
4	2	10	0	4	2	11	0		
5	3	6	6	5	3	7	9		
6	4	3	0	6	4	4	6		
7	4	11	6	7	5	1	3		
8	5	8	0	8	5	10	9		
9	6	4	6	9	6	6	9		
10	7	1	0	10	7	3	6		
11	7	9	6	11	8	0	3		
12	8	6	0	12	8	9	0		
13	9	2	6	13	9	5	9		
14	9	11	0	14	10	2	6		
15	10	7	6	15	10	11	3		
16	11	4	0	16	11	8	0		
17	12	0	6	17	12	4	9		
18	12	9	0	18	13	1	6		
19	13	5	6	19	13	10	3		
20	14	2	0	20	14	7	0		
21	14	10	6	21	15	3	9		
22	15	7	0	22	16	0	6		
23	16	3	6	23	16	9	3		
24	17	0	0	24	17	6	0		
Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	8	6	1	0	0	8	9
2	0	1	5	0	2	0	1	5	6
3	0	2	1	6	3	0	2	2	3
4	0	2	10	0	4	0	2	11	0
5	0	3	6	6	5	0	3	7	9
6	0	4	3	0	6	0	4	4	6
7	0	4	11	6	7	0	5	1	3
8	0	5	8	0	8	0	5	10	0
9	0	6	4	6	9	0	6	6	9
10	0	7	1	0	10	0	7	3	6
11	0	7	9	6	11	0	8	0	3
Quarts. In. long.	In.	Pa.	S.	T.	Quarts. In. long.	In.	Pa.	S.	T.
1	0	2	1	6	1	0	2	2	3
2	0	4	3	0	2	0	4	4	6
3	0	6	2	6	3	0	6	6	9

Feet long.	9 Inch broad.			Feet long.	9 ¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	9	0	1	0	9	3
2	1	6	0	2	1	6	6
3	2	3	0	3	2	3	9
4	3	0	0	4	3	1	0
5	3	9	0	5	3	10	3
6	4	6	0	6	4	7	6
7	5	3	0	7	5	4	9
8	6	0	0	8	6	2	0
9	6	9	0	9	6	11	3
10	7	6	0	10	7	8	6
11	8	3	0	11	8	5	9
12	9	0	0	12	9	3	0
13	9	9	0	13	10	0	3
14	10	6	0	14	10	9	6
15	11	3	0	15	11	6	9
16	12	0	0	16	12	4	0
17	12	9	0	17	13	1	3
18	13	6	0	18	13	10	6
19	14	3	0	19	14	7	9
20	15	0	0	20	15	5	0
21	15	9	0	21	16	2	3
22	16	6	0	22	16	11	6
23	17	3	0	23	17	8	9
24	18	0	0	24	18	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	9	0	1	0	0	9	3
2	0	1	6	0	2	0	1	6	6
3	0	2	3	0	3	0	2	3	9
4	0	3	0	0	4	0	3	1	0
5	0	3	9	0	5	0	3	10	3
6	0	4	6	0	6	0	4	7	6
7	0	5	3	0	7	0	5	4	9
8	0	6	0	0	8	0	6	2	0
9	0	6	9	0	9	0	6	11	3
10	0	7	6	0	10	0	7	8	6
11	0	8	3	0	11	0	8	5	9

Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	2	3	0		0	2	3	9
	0	4	6	0		0	4	7	6
	0	6	9	0		0	6	11	3

9 $\frac{1}{2}$ broad.				9 $\frac{1}{4}$ broad.			
Feet long.	Ft.	In.	Pa.	Feet long.	Ft.	In.	Pa.
1	0	9	6	1	0	9	9
2	1	7	0	2	1	7	6
3	2	4	6	3	2	5	3
4	3	2	0	4	3	3	0
5	3	11	6	5	4	0	9
6	4	9	0	6	4	10	6
7	5	6	6	7	5	8	3
8	6	4	0	8	6	6	0
9	7	1	6	9	7	3	9
10	7	11	0	10	8	1	6
11	8	8	6	11	8	11	3
12	9	6	0	12	9	9	0
13	10	3	6	13	10	6	9
14	11	1	0	14	11	4	6
15	11	10	6	15	12	2	3
16	12	8	0	16	13	0	0
17	13	5	6	17	13	9	9
18	14	3	0	18	14	7	6
19	15	0	6	19	15	5	3
20	15	10	0	20	16	3	0
21	16	7	6	21	17	0	9
22	17	5	0	22	17	10	6
23	18	2	6	23	18	8	3
24	19	0	0	24	19	6	0
Inches long.	Ft.	In.	Pa.	Inches long.	Ft.	In.	Pa.
1	0	0	9	1	0	0	9
2	0	1	7	2	0	1	7
3	0	2	4	3	0	2	5
4	0	3	2	4	0	3	3
5	0	3	11	5	0	4	0
6	0	4	9	6	0	4	10
7	0	5	6	7	0	5	8
8	0	6	4	8	0	6	6
9	0	7	1	9	0	7	3
10	0	7	11	10	0	8	1
11	0	8	8	11	0	8	11
24 In. long.	In.	Pa.	S.	24 In. long.	In.	Pa.	S.
	0	2	4		0	2	5
	0	4	9		0	4	10
	0	7	1		0	7	3

Feet long.	10 In. broad.			Feet long.	10 $\frac{1}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	10	0	1	0	10	3
2	1	8	0	2	1	8	6
3	2	6	0	3	2	6	9
4	3	4	0	4	3	5	0
5	4	2	0	5	4	3	3
6	5	0	0	6	5	1	6
7	5	10	0	7	5	11	9
8	6	8	0	8	6	10	0
9	7	6	0	9	7	8	3
10	8	4	0	10	8	6	6
11	9	2	0	11	9	4	9
12	10	0	0	12	10	3	0
13	10	10	0	13	11	1	3
14	11	8	0	14	11	11	6
15	12	6	0	15	12	9	9
16	13	4	0	16	13	8	0
17	14	2	0	17	14	6	3
18	15	0	0	18	15	4	6
19	15	10	0	19	16	2	9
20	16	8	0	20	17	1	0
21	17	6	0	21	17	11	3
22	18	4	0	22	18	9	6
23	19	2	0	23	19	7	9
24	20	0	0	24	20	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	10	0	1	0	0	10	3
2	0	1	8	0	2	0	1	8	6
3	0	2	6	0	3	0	2	6	9
4	0	3	4	0	4	0	3	5	0
5	0	4	2	0	5	0	4	3	3
6	0	5	0	0	6	0	5	1	6
7	0	5	10	0	7	0	5	11	9
8	0	6	8	0	8	0	6	10	0
9	0	7	6	0	9	0	7	8	3
10	0	8	4	0	10	0	8	6	6
11	0	9	2	0	11	0	9	4	9

Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	2	6	0		0	2	6	9
	0	5	0	0		0	5	1	6
	0	7	6	0		0	7	8	3

10 $\frac{1}{2}$ broad.				10 $\frac{1}{4}$ broad.			
Feet long.		Ft.	In. Pa.	Feet long.		Ft.	In. Pa.
1		0	10 6	1		0	10 9
2		1	9 0	2		1	9 6
3		2	7 6	3		2	8 3
4		3	6 0	4		3	7 0
5		4	4 6	5		4	5 9
6		5	3 0	6		5	4 6
7		6	1 6	7		6	3 3
8		7	0 0	8		7	2 0
9		7	10 6	9		8	0 9
10		8	9 0	10		8	11 6
11		9	7 6	11		9	10 3
12		10	6 0	12		10	9 0
13		11	4 6	13		11	7 9
14		12	3 0	14		12	6 6
15		13	1 6	15		13	5 3
16		14	0 0	16		14	4 0
17		14	10 6	17		15	2 9
18		15	9 0	18		16	1 6
19		16	7 6	19		17	0 3
20		17	6 0	20		17	11 0
21		18	4 6	21		18	9 9
22		19	3 0	22		19	8 6
23		20	1 6	23		20	7 3
24		21	0 0	24		21	6 0
Inches long.				Inches long.			
		Ft.	In. Pa. S.			Ft.	In. Pa. S.
1		0	0 10 6	1		0	0 10 9
2		0	1 9 0	2		0	1 9 6
3		0	2 7 6	3		0	2 8 3
4		0	3 6 0	4		0	3 7 0
5		0	4 4 6	5		0	4 5 9
6		0	5 3 0	6		0	5 4 6
7		0	6 1 6	7		0	6 3 3
8		0	7 0 0	8		0	7 2 0
9		0	7 10 6	9		0	8 0 9
10		0	8 9 0	10		0	8 11 6
11		0	9 7 6	11		0	9 10 3
Quarts. In. long.				Quarts. In. long.			
		In.	Pa. S. T.			In.	Pa. S. T.
		0	2 7 6			0	2 8 3
		0	5 3 0			0	5 4 6
		0	7 10 6			0	8 0 9

Feet long.	11 In. broad.			Feet long.	11 1/2 broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	11	0	1	0	11	3
2	1	10	0	2	1	10	6
3	2	9	0	3	2	9	9
4	3	8	0	4	3	9	0
5	4	7	0	5	4	8	3
6	5	6	0	6	5	7	6
7	6	5	0	7	6	6	9
8	7	4	0	8	7	6	0
9	8	3	0	9	8	5	3
10	9	2	0	10	9	4	6
11	10	1	0	11	10	3	9
12	11	0	0	12	11	3	0
13	11	11	0	13	12	2	3
14	12	10	0	14	13	1	6
15	13	9	0	15	14	0	9
16	14	8	0	16	15	0	0
17	15	7	0	17	15	11	3
18	16	6	0	18	16	10	6
19	17	5	0	19	17	9	9
20	18	4	0	20	18	9	0
21	19	3	0	21	19	8	3
22	20	2	0	22	20	7	6
23	21	1	0	23	21	6	9
24	22	0	0	24	22	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	11	0	1	0	0	11	3
2	0	1	10	0	2	0	1	10	6
3	0	2	9	0	3	0	2	9	9
4	0	3	8	0	4	0	3	9	0
5	0	4	7	0	5	0	4	8	3
6	0	5	6	0	6	0	5	7	6
7	0	6	5	0	7	0	6	6	9
8	0	7	4	0	8	0	7	6	0
9	0	8	3	0	9	0	8	5	3
10	0	9	2	0	10	0	9	4	6
11	0	10	1	0	11	0	10	3	9

22 1/2 In. long.					22 1/2 In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	2	9	0		0	2	9	9
	0	5	6	0		0	5	7	6
	0	8	3	0		0	8	5	3

11 $\frac{1}{2}$ broad.				11 $\frac{1}{4}$ broad.			
<i>Feet long.</i>	Ft.	In.	Pa.	<i>Feet long.</i>	Ft.	In.	Pa.
1	0	11	6	1	0	11	9
2	1	11	0	2	1	11	6
3	2	10	6	3	2	11	3
4	3	10	0	4	3	11	0
5	4	9	6	5	4	10	9
6	5	9	0	6	5	10	6
7	6	8	6	7	6	10	3
8	7	8	0	8	7	10	0
9	8	7	6	9	8	9	9
10	9	7	0	10	9	9	6
11	10	6	6	11	10	9	3
12	11	6	0	12	11	9	0
13	12	5	6	13	12	8	9
14	13	5	0	14	13	8	6
15	14	4	6	15	14	8	3
16	15	4	0	16	15	8	0
17	16	3	6	17	16	7	9
18	17	3	0	18	17	7	6
19	18	2	6	19	18	7	3
20	19	2	0	20	19	7	0
21	20	1	6	21	20	6	9
22	21	1	0	22	21	6	6
23	22	0	6	23	22	6	3
24	23	0	0	24	23	6	0
<i>Inches long.</i>				<i>Inches long.</i>			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	0	11 6	1	0	0	11 9
2	0	1	11 0	2	0	1	11 6
3	0	2	10 6	3	0	2	11 3
4	0	3	10 0	4	0	3	11 0
5	0	4	9 6	5	0	4	10 9
6	0	5	9 0	6	0	5	10 6
7	0	6	8 6	7	0	6	10 3
8	0	7	8 0	8	0	7	10 0
9	0	8	7 6	9	0	8	9 9
10	0	9	7 0	10	0	9	9 6
11	0	10	6 6	11	0	10	9 3
<i>Qrs. In. long.</i>				<i>Qrs. In. long.</i>			
	In.	Pa.	S. T.		In.	Pa.	S. T.
	0	2	10 6		0	2	11 3
	0	5	9 0		0	5	10 6
	0	8	7 6		0	8	9 9

Feet long.	12 In. broad.			Feet long.	12 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	0	0	1	1	0	3		
2	2	0	0	2	2	0	6		
3	3	0	0	3	3	0	9		
4	4	0	0	4	4	1	0		
5	5	0	0	5	5	1	3		
6	6	0	0	6	6	1	6		
7	7	0	0	7	7	1	9		
8	8	0	0	8	8	2	0		
9	9	0	0	9	9	2	3		
10	10	0	0	10	10	2	6		
11	11	0	0	11	11	2	9		
12	12	0	0	12	12	3	0		
13	13	0	0	13	13	3	3		
14	14	0	0	14	14	3	6		
15	15	0	0	15	15	3	9		
16	16	0	0	16	16	4	0		
17	17	0	0	17	17	4	3		
18	18	0	0	18	18	4	6		
19	19	0	0	19	19	4	9		
20	20	0	0	20	20	5	0		
21	21	0	0	21	21	5	3		
22	22	0	0	22	22	5	6		
23	23	0	0	23	23	5	9		
24	24	0	0	24	24	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	0	0	1	0	1	0	3
2	0	2	0	0	2	0	2	0	6
3	0	3	0	0	3	0	3	0	9
4	0	4	0	0	4	0	4	1	0
5	0	5	0	0	5	0	5	1	3
6	0	6	0	0	6	0	6	1	6
7	0	7	0	0	7	0	7	1	9
8	0	8	0	0	8	0	8	2	0
9	0	9	0	0	9	0	9	2	3
10	0	10	0	0	10	0	10	2	6
11	0	11	0	0	11	0	11	2	9
Pr. In. long.					Pr. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	3	0	0		0	3	0	9
	0	6	0	0		0	6	1	6
	0	9	0	0		0	9	2	3

12 $\frac{1}{2}$ broad.				12 $\frac{1}{2}$ broad.					
Ft. In. Pa.				Ft. In. Pa.					
1	1	0	6	1	1	0	9		
2	2	1	0	2	2	1	6		
3	3	1	6	3	3	2	3		
4	4	2	0	4	4	3	0		
5	5	2	6	5	5	3	9		
6	6	3	0	6	6	4	6		
7	7	3	6	7	7	5	3		
8	8	4	0	8	8	6	0		
9	9	4	6	9	9	6	9		
10	10	5	0	10	10	7	6		
11	11	5	6	11	11	8	3		
12	12	6	0	12	12	9	0		
13	13	6	6	13	13	9	9		
14	14	7	0	14	14	10	6		
15	15	7	6	15	15	11	3		
16	16	8	0	16	17	0	0		
17	17	8	6	17	18	0	9		
18	18	9	0	18	19	1	6		
19	19	9	6	19	20	2	3		
20	20	10	0	20	21	3	0		
21	21	10	6	21	22	3	9		
22	22	11	0	22	23	4	6		
23	23	11	6	23	24	5	3		
24	25	0	0	24	25	6	0		
Inches long.				Inches long.					
Ft. In. Pa. S.				Ft. In. Pa. S.					
1	0	1	0	6	1	0	1	0	9
2	0	2	1	0	2	0	2	1	6
3	0	3	1	6	3	0	3	2	3
4	0	4	2	0	4	0	4	3	0
5	0	5	2	6	5	0	5	3	9
6	0	6	3	0	6	0	6	4	6
7	0	7	3	6	7	0	7	5	3
8	0	8	4	0	8	0	8	6	0
9	0	9	4	6	9	0	9	6	9
10	0	10	5	0	10	0	10	7	6
11	0	11	5	6	11	0	11	8	3
Qrs. In. long.				Qrs. In. long.					
In. Pa. S. T.				In. Pa. S. T.					
0 3 1 6				0 3 2 3					
0 6 3 0				0 6 4 6					
0 9 4 6				0 9 6 9					

<i>Feet long.</i>	13 In. broad.			<i>Feet long.</i>	13 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	1	0	1	1	1	3		
2	2	2	0	2	2	2	6		
3	3	3	0	3	3	3	9		
4	4	4	0	4	4	5	0		
5	5	5	0	5	5	6	3		
6	6	6	0	6	6	7	6		
7	7	7	0	7	7	8	9		
8	8	8	0	8	8	10	0		
9	9	9	0	9	9	11	3		
10	10	10	0	10	11	0	6		
11	11	11	0	11	12	1	9		
12	13	0	0	12	13	3	0		
13	14	1	0	13	14	4	3		
14	15	2	0	14	15	5	6		
15	16	3	0	15	16	6	9		
16	17	4	0	16	17	8	0		
17	18	5	0	17	18	9	3		
18	19	6	0	18	19	10	6		
19	20	7	0	19	20	11	9		
20	21	8	0	20	22	1	0		
21	22	9	0	21	23	2	3		
22	23	10	0	22	24	3	6		
23	24	11	0	23	25	4	9		
24	26	0	0	24	26	6	0		
<i>Inches long.</i>					<i>Inches long.</i>				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	1	0	1	0	1	1	3
2	0	2	2	0	2	0	2	2	6
3	0	3	3	0	3	0	3	3	9
4	0	4	4	0	4	0	4	5	0
5	0	5	5	0	5	0	5	6	3
6	0	6	6	0	6	0	6	7	6
7	0	7	7	0	7	0	7	8	9
8	0	8	8	0	8	0	8	10	0
9	0	9	9	0	9	0	9	11	3
10	0	10	10	0	10	0	11	0	6
11	0	11	11	0	11	0	0	1	9
<i>Qr. In. long.</i>					<i>Qr. In. long.</i>				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	3	3	0		0	3	3	9
	0	6	6	0		0	6	7	6
	0	9	9	0		0	9	11	3

13 1/2 broad.				13 1/4 broad.			
Ft. In. Pa.				Ft. In. Pa.			
1	1	1	6	1	1	1	9
2	2	3	0	2	2	3	6
3	3	4	6	3	3	5	3
4	4	6	0	4	4	7	0
5	5	7	6	5	5	8	9
6	6	9	0	6	6	10	6
7	7	10	6	7	8	0	3
8	9	0	0	8	9	2	0
9	10	1	6	9	10	3	9
10	11	3	0	10	11	5	6
11	12	4	6	11	12	7	3
12	13	6	0	12	13	9	0
13	14	7	6	13	14	10	9
14	15	9	0	14	16	0	6
15	16	10	6	15	17	2	3
16	18	0	0	16	18	4	0
17	19	1	6	17	19	5	9
18	20	3	0	18	20	7	6
19	21	4	6	19	21	9	3
20	22	6	0	20	22	11	0
21	23	7	6	21	24	0	9
22	24	9	0	22	25	2	6
23	25	10	6	23	26	4	3
24	27	0	0	24	27	6	0

Ft. In. Pa. S.				Ft. In. Pa. S.					
1	0	1	1	6	1	0	1	1	9
2	0	2	3	0	2	0	2	3	6
3	0	3	4	6	3	0	3	5	3
4	0	4	6	0	4	0	4	7	0
5	0	5	7	6	5	0	5	8	9
6	0	6	9	0	6	0	6	10	6
7	0	7	10	6	7	0	8	0	3
8	0	9	0	0	8	0	9	2	0
9	0	10	1	6	9	0	10	3	9
10	0	11	3	0	10	0	11	5	6
11	1	0	4	6	11	1	0	7	3

In. Pa. S. T.				In. Pa. S. T.			
0	3	4	6	0	3	5	3
0	6	9	0	0	6	10	6
0	10	1	6	0	10	3	9

Feet long.	14 In. broad.			Feet long.	14 $\frac{1}{4}$ broad				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	2	0	1	1	2	3		
2	2	4	0	2	2	4	6		
3	3	6	0	3	3	6	9		
4	4	8	0	4	4	9	0		
5	5	10	0	5	5	11	3		
6	7	0	0	6	7	1	6		
7	8	2	0	7	8	3	9		
8	9	4	0	8	9	6	0		
9	10	6	0	9	10	8	3		
10	11	8	0	10	11	10	6		
11	12	10	0	11	13	0	9		
12	14	0	0	12	14	3	0		
13	15	2	0	13	15	5	3		
14	16	4	0	14	16	7	6		
15	17	6	0	15	17	9	9		
16	18	8	0	16	19	0	0		
17	19	10	0	17	20	2	3		
18	21	0	0	18	21	4	6		
19	22	2	0	19	22	6	9		
20	23	4	0	20	23	9	0		
21	24	6	0	21	24	11	3		
22	25	8	0	22	26	1	6		
23	26	10	0	23	27	3	9		
24	28	0	0	24	28	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	2	0	1	0	1	2	3
2	0	2	4	0	2	0	2	4	6
3	0	3	6	0	3	0	3	6	9
4	0	4	8	0	4	0	4	9	0
5	0	5	10	0	5	0	5	11	3
6	0	7	0	0	6	0	7	1	6
7	0	8	2	0	7	0	8	3	9
8	0	9	4	0	8	0	9	6	0
9	0	10	6	0	9	0	10	8	3
10	0	11	8	0	10	0	11	10	6
11	1	0	10	0	11	1	1	0	9
27 1/2 In. long.					27 1/2 In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	3	6	0		0	3	6	9
	0	7	0	0		0	7	1	6
	0	10	6	0		0	10	8	3

Feet long.	14½ broad.			Feet long.	14¼ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	2	6	1	1	2	9		
2	2	5	0	2	2	5	6		
3	3	7	6	3	3	8	3		
4	4	10	0	4	4	11	0		
5	6	0	6	5	6	1	9		
6	7	3	0	6	7	4	6		
7	8	5	6	7	8	7	3		
8	9	8	0	8	9	10	0		
9	10	10	6	9	11	0	9		
10	12	1	0	10	12	3	6		
11	13	3	6	11	13	6	3		
12	14	6	0	12	14	9	0		
13	15	8	6	13	15	11	9		
14	16	11	0	14	17	2	6		
15	18	1	6	15	18	5	3		
16	19	4	0	16	19	8	0		
17	20	6	6	17	20	10	9		
18	21	9	0	18	22	1	6		
19	22	11	6	19	23	4	3		
20	24	2	0	20	24	7	0		
21	25	4	6	21	25	9	9		
22	26	7	0	22	27	0	6		
23	27	9	6	23	28	3	3		
24	29	0	0	24	29	6	0		
Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	2	6	1	0	1	2	9
2	0	2	5	0	2	0	2	5	6
3	0	3	7	6	3	0	3	8	3
4	0	4	10	0	4	0	4	11	0
5	0	6	0	6	5	0	6	1	9
6	0	7	3	0	6	0	7	4	6
7	0	8	5	6	7	0	8	7	3
8	0	9	8	0	8	0	9	10	0
9	0	10	10	6	9	0	11	0	9
10	1	0	1	0	10	1	0	3	6
11	1	1	3	6	11	1	1	6	3
21. In. long.	In. Pa. S. T.				21. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	3	7	6		0	3	8	3
	0	7	3	0		0	7	4	6
	0	10	10	6		0	11	0	9

15 In. broad.				15 $\frac{1}{4}$ broad.			
Feet long.	Ft. In. Pa.			Feet long.	Ft. In. Pa.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	3	0	1	1	3	3
2	2	6	0	2	2	6	6
3	3	9	0	3	3	9	9
4	5	0	0	4	5	1	0
5	6	3	0	5	6	4	3
6	7	6	0	6	7	7	6
7	8	9	0	7	8	10	9
8	10	0	0	8	10	2	0
9	11	3	0	9	11	5	3
10	12	6	0	10	12	8	6
11	13	9	0	11	13	11	9
12	15	0	0	12	15	3	0
13	16	3	0	13	16	6	3
14	17	6	0	14	17	9	6
15	18	9	0	15	19	0	9
16	20	0	0	16	20	4	0
17	21	3	0	17	21	7	3
18	22	6	0	18	22	10	6
19	23	9	0	19	24	1	9
20	25	0	0	20	25	5	0
21	26	3	0	21	26	8	3
22	27	6	0	22	27	11	6
23	28	9	0	23	29	2	9
24	30	0	0	24	30	6	0

Inches long.				Inches long.			
Inches long.	Ft. In. Pa. S.			Inches long.	Ft. In. Pa. S.		
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	1	3 0	1	0	1	3 3
2	0	2	6 0	2	0	2	6 6
3	0	3	9 0	3	0	3	9 9
4	0	5	0 0	4	0	5	1 0
5	0	6	3 0	5	0	6	4 3
6	0	7	6 0	6	0	7	7 6
7	0	8	9 0	7	0	8	10 9
8	0	10	0 0	8	0	10	2 0
9	0	11	3 0	9	0	11	5 3
10	1	0	6 0	10	1	0	8 6
11	1	1	9 0	11	1	1	11 9

Qrs. In. long.				Qrs. In. long.			
Qrs. In. long.	In. Pa. S. T.			Qrs. In. long.	In. Pa. S. T.		
	In.	Pa.	S. T.		In.	Pa.	S. T.
	0	3	9 0		0	3	9 9
	0	7	6 0		0	7	7 6
	0	11	3 0		0	11	5 3

Feet long.	15 $\frac{1}{2}$ broad.			Feet long.	15 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	3	6	1	1	3	9		
2	2	7	0	2	2	7	6		
3	3	10	6	3	3	11	3		
4	5	2	0	4	5	3	0		
5	6	5	6	5	6	6	9		
6	7	9	0	6	7	10	6		
7	9	0	6	7	9	2	3		
8	10	4	0	8	10	6	0		
9	11	7	6	9	11	9	9		
10	12	11	0	10	13	1	6		
11	14	2	6	11	14	5	3		
12	15	6	0	12	15	9	0		
13	16	9	6	13	17	0	9		
14	18	1	0	14	18	4	6		
15	19	4	6	15	19	8	3		
16	20	8	0	16	21	0	0		
17	21	11	6	17	22	3	9		
18	23	3	0	18	23	7	6		
19	24	6	6	19	24	11	3		
20	25	10	0	20	26	3	0		
21	27	1	6	21	27	6	9		
22	28	5	0	22	28	10	6		
23	29	8	6	23	30	2	3		
24	31	0	0	24	31	6	0		
Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	3	6	1	0	1	3	9
2	0	2	7	0	2	0	2	7	6
3	0	3	10	6	3	0	3	11	3
4	0	5	2	0	4	0	5	3	0
5	0	6	5	6	5	0	6	6	9
6	0	7	9	0	6	0	7	10	6
7	0	9	0	6	7	0	9	2	3
8	0	10	4	9	8	0	10	6	0
9	0	11	7	6	9	0	11	9	9
10	1	0	11	0	10	1	1	1	6
11	1	2	2	6	11	1	2	5	3
275. In. long.	In. Pa. S. T.				275. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	3	10	6		0	3	11	3
	0	7	9	0		0	7	10	6
	0	11	7	6		0	11	9	9

Feet long.	16 In. broad.			Feet long.	16 $\frac{1}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	4	0	1	1	4	3
2	2	8	0	2	2	8	6
3	4	0	0	3	4	0	9
4	5	4	0	4	5	5	0
5	6	8	0	5	6	9	3
6	8	0	0	6	8	1	6
7	9	4	0	7	9	5	9
8	10	8	0	8	10	10	0
9	12	0	0	9	12	2	3
10	13	4	0	10	13	6	6
11	14	8	0	11	14	10	9
12	16	0	0	12	16	3	0
13	17	4	0	13	17	7	3
14	18	8	0	14	18	11	6
15	20	0	0	15	20	3	9
16	21	4	0	16	21	8	0
17	22	8	0	17	23	0	3
18	24	0	0	18	24	4	6
19	25	4	0	19	25	8	9
20	26	8	0	20	27	1	0
21	28	0	0	21	28	5	3
22	29	4	0	22	29	9	6
23	30	8	0	23	31	1	9
24	32	0	0	24	32	6	0

Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	4	0	1	0	1	4	3
2	0	2	8	0	2	0	2	8	6
3	0	4	0	0	3	0	4	0	9
4	0	5	4	0	4	0	5	5	0
5	0	6	8	0	5	0	6	9	3
6	0	8	0	0	6	0	8	1	6
7	0	9	4	0	7	0	9	5	9
8	0	10	8	0	8	0	10	10	0
9	1	0	0	0	9	1	0	2	3
10	1	1	4	0	10	1	1	6	6
11	1	2	8	0	11	1	2	10	9

27 In. long.	In. Pa. S. T.				27 In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	4	0	0		0	4	0	9
	0	8	0	0		0	8	1	6
	1	0	0	0		1	0	2	3

16 $\frac{1}{2}$ broad.				16 $\frac{1}{4}$ broad.					
Feet long.	Ft. In. Pa.			Feet long.	Ft. In. Pa.				
1	1	4	6	1	1	4	9		
2	2	9	0	2	2	9	6		
3	4	1	6	3	4	2	3		
4	5	6	0	4	5	7	0		
5	6	10	6	5	6	11	9		
6	8	3	0	6	8	4	6		
7	9	7	6	7	9	9	3		
8	11	0	0	8	11	2	0		
9	12	4	6	9	12	6	9		
10	13	9	0	10	13	11	6		
11	15	1	6	11	15	4	3		
12	16	6	0	12	16	9	0		
13	17	10	6	13	18	1	9		
14	19	3	0	14	19	6	6		
15	20	7	6	15	20	11	3		
16	22	0	0	16	22	4	0		
17	23	4	6	17	23	8	9		
18	24	9	0	18	25	1	6		
19	26	1	6	19	26	6	3		
20	27	6	0	20	27	11	0		
21	28	10	6	21	29	3	9		
22	30	3	0	22	30	8	6		
23	31	7	6	23	32	1	3		
24	33	0	0	24	33	6	0		
Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
1	0	1	4	6	1	0	1	4	9
2	0	2	9	0	2	0	2	9	6
3	0	4	1	6	3	0	4	2	3
4	0	5	6	0	4	0	5	7	0
5	0	6	10	6	5	0	6	11	9
6	0	8	3	0	6	0	8	4	6
7	0	9	7	6	7	0	9	9	3
8	0	11	0	0	8	0	11	2	0
9	1	0	4	6	9	1	0	6	9
10	1	1	9	0	10	1	1	11	6
11	1	3	1	6	11	1	3	4	3
P's. In. long.	In. Pa. S. T.				P's. In. long.	In. Pa. S. T.			
	0	4	1	6		0	4	2	3
	0	8	3	0		0	8	4	6
	1	4	4	6		1	0	6	9

17 In. broad.				17 $\frac{1}{4}$ broad.			
Ft. In. Pa.				Ft. In. Pa.			
1	1	5	0	1	1	5	3
2	2	10	0	2	2	10	6
3	4	3	0	3	4	3	9
4	5	8	0	4	5	9	0
5	7	1	0	5	7	2	3
6	8	6	0	6	8	7	6
7	9	11	0	7	10	0	9
8	11	4	0	8	11	6	0
9	12	9	0	9	12	11	3
10	14	2	0	10	14	4	6
11	15	7	0	11	15	9	9
12	17	0	0	12	17	3	0
13	18	5	0	13	18	8	3
14	19	10	0	14	20	1	6
15	21	3	0	15	21	6	9
16	22	●	0	16	23	0	0
17	24	1	0	17	24	5	3
18	25	6	0	18	25	10	6
19	26	11	0	19	27	3	9
20	28	4	0	20	28	9	0
21	29	9	0	21	30	2	3
22	31	2	0	22	31	7	6
23	32	7	0	23	33	0	9
24	34	0	0	24	34	6	0

Ft. In. Pa. S.				Ft. In. Pa. S.					
1	0	1	5	0	1	0	1	5	3
2	0	2	10	0	2	0	2	10	6
3	0	4	3	0	3	0	4	3	9
4	0	5	8	0	4	0	5	9	0
5	0	7	1	0	5	0	7	2	3
6	0	8	6	0	6	0	8	7	6
7	0	9	11	0	7	0	10	0	9
8	0	11	4	0	8	0	11	6	0
9	1	0	9	0	9	1	0	11	3
10	1	2	2	0	10	1	2	4	6
11	1	3	7	0	11	1	3	9	9

In. Pa. S. T.				In. Pa. S. T.			
0	4	3	0	0	4	3	9
0	8	6	0	0	8	7	6
1	0	9	0	1	0	11	3

Feet long.	17 $\frac{1}{2}$ broad.			Feet long.	17 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	5	6	1	1	5	9		
2	2	11	0	2	2	11	6		
3	4	4	6	3	4	5	3		
4	5	10	0	4	5	11	0		
5	7	3	6	5	7	4	9		
6	8	9	0	6	8	10	6		
7	10	2	6	7	10	4	3		
8	11	8	0	8	11	10	0		
9	13	1	6	9	13	3	9		
10	14	7	0	10	14	9	6		
11	16	0	6	11	16	3	3		
12	17	6	0	12	17	9	0		
13	18	11	6	13	19	2	9		
14	20	5	0	14	20	8	6		
15	21	10	6	15	22	2	3		
16	23	4	0	16	23	8	0		
17	24	9	6	17	25	1	9		
18	26	3	0	18	26	7	6		
19	27	8	6	19	28	1	3		
20	29	2	0	20	29	7	0		
21	30	7	6	21	31	0	9		
22	32	1	0	22	32	6	6		
23	33	6	6	23	34	0	3		
24	35	0	0	24	35	6	0		
Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
1	0	1	5	6	1	0	1	5	9
2	0	2	11	0	2	0	2	11	6
3	0	4	4	6	3	0	4	5	3
4	0	5	10	0	4	0	5	11	0
5	0	7	3	6	5	0	7	4	9
6	0	8	9	0	6	0	8	10	6
7	0	10	2	6	7	0	10	4	3
8	0	11	8	0	8	0	11	10	0
9	1	1	1	6	9	1	1	3	9
10	1	2	7	0	10	1	2	9	6
11	1	4	0	6	11	1	4	3	3
27 $\frac{1}{2}$ In. long.	In. Pa. S. T.				27 $\frac{1}{2}$ In. long.	In. Pa. S. T.			
	0	4	4	6		0	4	5	3
	0	8	9	0		0	8	10	6
	1	1	1	6		1	1	3	9

Feet long.	18 In. broad.			Feet long.	18 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	6	0	1	1	6	3		
2	3	0	0	2	3	0	6		
3	4	6	0	3	4	6	9		
4	6	0	0	4	6	1	0		
5	7	6	0	5	7	7	3		
6	9	0	0	6	9	1	6		
7	10	6	0	7	10	7	9		
8	12	0	0	8	12	2	0		
9	13	6	0	9	13	8	3		
10	15	0	0	10	15	2	6		
11	16	6	0	11	16	8	9		
12	18	0	0	12	18	3	0		
13	19	6	0	13	19	9	3		
14	21	0	0	14	21	3	6		
15	22	6	0	15	22	9	9		
16	24	0	0	16	24	4	0		
17	25	6	0	17	25	10	3		
18	27	0	0	18	27	4	6		
19	28	6	0	19	28	10	9		
20	30	0	0	20	30	5	0		
21	31	6	0	21	31	11	3		
22	33	0	0	22	33	5	6		
23	34	6	0	23	34	11	9		
24	36	0	0	24	36	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	6	0	1	0	1	6	3
2	0	3	0	0	2	0	3	0	6
3	0	4	6	0	3	0	4	6	9
4	0	6	0	0	4	0	6	1	0
5	0	7	6	0	5	0	7	7	3
6	0	9	0	0	6	0	9	1	6
7	0	10	6	0	7	0	10	7	9
8	1	0	0	0	8	1	0	2	0
9	1	1	6	0	9	1	1	8	3
10	1	3	0	0	10	1	3	2	6
11	1	4	6	0	11	1	4	8	9
Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	4	6	0		0	4	6	9
	0	9	0	0		0	9	1	6
	1	1	6	0		1	1	8	3

18 $\frac{1}{2}$ broad.				18 $\frac{1}{4}$ broad.							
Feet long.		Ft.	In.	Pa.	Feet long.		Ft.	In.	Pa.		
1		1	6	6	1		1	6	9		
2		3	1	0	2		3	1	6		
3		4	7	6	3		4	8	3		
4		6	2	0	4		6	3	0		
5		7	8	6	5		7	9	9		
6		9	3	0	6		9	4	6		
7		10	9	6	7		10	11	3		
8		12	4	0	8		12	6	0		
9		13	10	6	9		14	0	9		
10		15	5	0	10		15	7	6		
11		16	11	6	11		17	2	3		
12		18	6	0	12		18	9	0		
13		20	0	6	13		20	3	9		
14		21	7	0	14		21	10	6		
15		23	1	6	15		23	5	3		
16		24	8	0	16		25	0	0		
17		26	2	6	17		26	6	9		
18		27	9	0	18		28	1	6		
19		29	3	6	19		29	8	3		
20		30	10	0	20		31	3	0		
21		32	4	6	21		32	9	9		
22		33	11	0	22		34	4	6		
23		35	5	6	23		35	11	3		
24		37	0	0	24		37	6	0		
Inches long.		Ft.	In.	Pa.	S.	Inches long.		Ft.	In.	Pa.	S.
1		0	1	6	6	1		0	1	6	9
2		0	3	1	0	2		0	3	1	6
3		0	4	7	6	3		0	4	8	3
4		0	6	2	0	4		0	6	3	0
5		0	7	8	6	5		0	7	9	9
6		0	9	3	0	6		0	9	4	6
7		0	10	9	6	7		0	10	11	3
8		1	0	4	0	8		1	0	6	0
9		1	1	10	6	9		1	2	0	9
10		1	3	5	0	10		1	3	7	6
11		1	4	11	6	11		1	5	2	3
Qrs. In. long.		In.	Pa.	S.	T.	Qrs. In. long.		In.	Pa.	S.	T.
		0	4	7	6			0	4	8	3
		0	9	3	0			0	9	4	6
		1	1	10	6			1	2	0	0

Feet long.	19 In. broad.			Feet long.	19 $\frac{1}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	7	0	1	1	7	3
2	3	2	0	2	3	2	6
3	4	9	0	3	4	9	9
4	6	4	0	4	6	5	0
5	7	11	0	5	8	0	3
6	9	6	0	6	9	7	6
7	11	1	0	7	11	2	9
8	12	8	0	8	12	10	0
9	14	3	0	9	14	5	3
10	15	10	0	10	16	0	6
11	17	5	0	11	17	7	9
12	19	0	0	12	19	3	0
13	20	7	0	13	20	10	3
14	22	2	0	14	22	5	6
15	23	9	0	15	24	0	9
16	25	4	0	16	25	8	0
17	26	11	0	17	27	3	3
18	28	6	0	18	28	10	6
19	30	1	0	19	30	5	9
20	31	8	0	20	32	1	0
21	33	3	0	21	33	8	3
22	34	10	0	22	35	3	6
23	36	5	0	23	36	10	9
24	38	0	0	24	38	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	7	0	1	0	1	7	3
2	0	3	2	0	2	0	3	2	6
3	0	4	9	0	3	0	4	9	9
4	0	6	4	0	4	0	6	5	0
5	0	7	11	0	5	0	8	0	3
6	0	9	6	0	6	0	9	7	6
7	0	11	1	0	7	0	11	2	9
8	1	0	8	0	8	1	0	10	0
9	1	2	3	0	9	1	2	5	3
10	1	3	10	0	10	1	4	0	6
11	1	5	5	0	11	1	5	7	9

Yds. In. long.					Yds. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	4	9	0		0	4	9	9
	0	9	6	0		0	9	7	6
	1	2	3	0		1	2	5	3

Feet long.	19½ broad.			Feet long.	19¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	7	6	1	1	7	9
2	3	3	0	2	3	3	6
3	4	10	6	3	4	11	3
4	6	6	0	4	6	7	0
5	8	1	6	5	8	2	9
6	9	9	0	6	9	10	6
7	11	4	6	7	11	6	3
8	13	0	0	8	13	2	0
9	14	7	6	9	14	9	9
10	16	3	0	10	16	5	6
11	17	10	6	11	18	1	3
12	19	6	0	12	19	9	0
13	21	1	6	13	21	4	9
14	22	9	0	14	23	0	6
15	24	4	6	15	24	8	3
16	26	0	0	16	26	4	0
17	27	7	6	17	27	11	9
18	29	3	0	18	29	7	6
19	30	10	6	19	31	3	3
20	32	6	0	20	32	11	0
21	34	1	6	21	34	6	9
22	35	9	0	22	36	2	6
23	37	4	6	23	37	10	3
24	39	0	0	24	39	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	7	6	1	0	1	7	9
2	0	3	3	0	2	0	3	3	6
3	0	4	10	6	3	0	4	11	3
4	0	6	6	0	4	0	6	7	0
5	0	8	1	6	5	0	8	2	9
6	0	9	9	0	6	0	9	10	6
7	0	11	4	6	7	0	11	6	3
8	1	1	0	0	8	1	1	2	0
9	1	2	7	6	9	1	2	9	9
10	1	4	3	0	10	1	4	5	6
11	1	5	10	6	11	1	6	1	3

Pis. In. long.					Pis. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	4	10	6		0	4	11	3
	0	9	9	0		0	9	10	6
	1	2	7	6		1	2	9	9

Feet long.	20 in. broad			Feet long.	20 $\frac{1}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	8	0	1	1	8	3
2	3	4	0	2	3	4	6
3	5	0	0	3	5	0	9
4	6	8	0	4	6	9	0
5	8	4	0	5	8	5	3
6	10	0	0	6	10	1	6
7	11	8	0	7	11	9	9
8	13	4	0	8	13	6	0
9	15	0	0	9	15	2	3
10	16	8	0	10	16	10	6
11	18	4	0	11	18	6	9
12	20	0	0	12	20	3	0
13	21	8	0	13	21	11	3
14	23	4	0	14	23	7	6
15	25	0	0	15	25	3	9
16	26	8	0	16	27	0	0
17	28	4	0	17	28	8	3
18	30	0	0	18	30	4	6
19	31	8	0	19	32	0	9
20	33	4	0	20	33	9	0
21	35	0	0	21	35	5	3
22	36	8	0	22	37	1	6
23	38	4	0	23	38	9	9
24	40	0	0	24	40	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	8	0	1	0	1	8	3
2	0	3	4	0	2	0	3	4	6
3	0	5	0	0	3	0	5	0	9
4	0	6	8	0	4	0	6	9	0
5	0	8	4	0	5	0	8	5	3
6	0	10	0	0	6	0	10	1	6
7	0	11	8	0	7	0	11	9	9
8	1	1	4	0	8	1	1	6	0
9	1	3	0	0	9	1	3	2	3
10	1	4	8	0	10	1	4	10	6
11	1	6	4	0	11	1	6	6	9

Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	5	0	0		0	5	0	9
	0	10	0	0		0	10	1	6
	1	3	0	0		1	2	2	3

Feet long.	20 $\frac{1}{2}$ broad.			Feet long.	20 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	8	6	1	1	8	9		
2	3	5	0	2	3	5	6		
3	5	1	6	3	5	2	3		
4	6	10	0	4	6	11	0		
5	8	6	6	5	8	7	9		
6	10	3	0	6	10	4	6		
7	11	11	6	7	12	1	3		
8	13	8	0	8	13	10	0		
9	15	4	6	9	15	6	9		
10	17	1	0	10	17	3	6		
11	18	9	6	11	19	0	3		
12	20	0	0	12	20	9	0		
13	22	2	6	13	22	5	9		
14	23	11	0	14	24	2	6		
15	25	7	6	15	25	11	3		
16	27	4	0	16	27	8	0		
17	29	0	6	17	29	4	9		
18	30	9	0	18	31	1	6		
19	32	5	6	19	32	10	3		
20	34	2	0	20	34	7	0		
21	35	10	6	21	36	3	9		
22	37	7	0	22	38	0	6		
23	39	3	6	23	39	9	3		
24	41	0	0	24	41	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	8	6	1	0	1	8	9
2	0	3	5	0	2	0	3	5	6
3	0	5	1	6	3	0	5	2	3
4	0	6	10	0	4	0	6	11	0
5	0	8	6	6	5	0	8	7	9
6	0	10	3	0	6	0	10	4	6
7	0	11	11	6	7	1	0	1	3
8	1	1	8	0	8	1	1	10	0
9	1	3	4	6	9	1	3	6	9
10	1	5	1	0	10	1	5	3	6
11	1	6	9	6	11	1	7	0	3
Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	5	1	6		0	5	2	3
	0	10	3	0		0	10	4	6
	1	3	4	6		1	3	6	9

Feet long.	21 In. broad.			Feet long.	21 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Fr.	In.	Pa.		
1	1	9	0	1	1	9	3		
2	3	6	0	2	3	6	6		
3	5	3	0	3	5	3	9		
4	7	0	0	4	7	1	0		
5	8	9	0	5	8	10	3		
6	10	6	0	6	10	7	6		
7	12	3	0	7	12	4	9		
8	14	0	0	8	14	2	0		
9	15	9	0	9	15	11	3		
10	17	6	0	10	17	8	6		
11	19	3	0	11	19	5	9		
12	21	0	0	12	21	3	0		
13	22	9	0	13	23	0	3		
14	24	6	0	14	24	9	6		
15	26	3	0	15	26	6	9		
16	28	0	0	16	28	4	0		
17	29	9	0	17	30	1	3		
18	31	6	0	18	31	10	6		
19	33	3	0	19	33	7	9		
20	35	0	0	20	35	5	0		
21	36	9	0	21	37	2	3		
22	38	6	0	22	38	11	6		
23	40	3	0	23	40	8	9		
24	42	0	0	24	42	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	9	0	1	0	1	9	3
2	0	3	6	0	2	0	3	6	6
3	0	5	3	0	3	0	5	3	9
4	0	7	0	0	4	0	7	1	0
5	0	8	9	0	5	0	8	10	3
6	0	10	6	0	6	0	10	7	6
7	1	0	3	0	7	1	0	4	9
8	1	2	0	0	8	1	2	2	0
9	1	3	9	0	9	1	3	11	3
10	1	5	6	0	10	1	5	8	6
11	1	7	3	0	11	1	7	5	9
Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	5	3	0		0	5	3	9
	0	10	6	0		0	10	7	6
	1	3	9	0		1	3	11	3

21 $\frac{1}{2}$ broad.				21 $\frac{1}{4}$ broad.							
Feet long.		Ft.	In.	Pa.	Feet long.		Ft.	In.	Pa.		
1		1	9	6	1		1	9	9		
2		3	7	0	2		3	7	6		
3		5	4	6	3		5	5	3		
4		7	2	0	4		7	3	0		
5		8	11	6	5		9	0	9		
6		10	9	0	6		10	10	6		
7		12	6	6	7		12	8	3		
8		14	4	0	8		14	6	0		
9		16	1	6	9		16	3	9		
10		17	11	0	10		18	1	6		
11		19	8	6	11		19	11	3		
12		21	6	0	12		21	9	0		
13		23	3	6	13		23	6	9		
14		25	1	0	14		25	4	6		
15		26	10	6	15		27	2	3		
16		28	8	0	16		29	0	0		
17		30	5	6	17		30	9	9		
18		32	3	0	18		32	7	6		
19		34	0	6	19		34	5	3		
20		35	10	0	20		36	3	0		
21		37	7	6	21		38	0	9		
22		39	5	0	22		39	10	6		
23		41	2	6	23		41	8	3		
24		43	0	0	24		43	6	0		
Inches long.				Inches long.							
		Ft.	In.	Pa.	S.			Ft.	In.	Pa.	S.
1		0	1	9	6	1		0	1	9	9
2		0	3	7	0	2		0	3	7	6
3		0	5	4	6	3		0	5	5	3
4		0	7	2	0	4		0	7	3	0
5		0	8	11	6	5		0	9	0	9
6		0	10	9	0	6		0	10	10	6
7		1	0	6	6	7		1	0	8	3
8		1	2	4	0	8		1	2	6	0
9		1	4	1	6	9		1	4	3	9
10		1	5	11	0	10		1	6	1	6
11		1	7	8	6	11		1	7	11	3
Qrs. In. long.				Qrs. In. long.							
		In.	Pa.	S.	T.			In.	Pa.	S.	T.
		0	5	4	6			0	5	5	3
		0	10	9	0			0	10	10	6
		1	4	1	6			1	4	3	9

Feet long.	22 in. broad			Feet long.	22 $\frac{1}{4}$ broad				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	10	0	1	1	10	3		
2	3	8	0	2	3	8	6		
3	5	6	0	3	5	6	9		
4	7	4	0	4	7	5	0		
5	9	2	0	5	9	3	3		
6	11	0	0	6	11	1	6		
7	12	10	0	7	12	11	9		
8	14	8	0	8	14	10	0		
9	16	6	0	9	16	8	3		
10	18	4	0	10	18	6	6		
11	20	2	0	11	20	4	9		
12	22	0	0	12	22	3	0		
13	23	10	0	13	24	1	3		
14	25	8	0	14	25	11	6		
15	27	6	0	15	27	9	9		
16	29	4	0	16	29	8	0		
17	31	2	0	17	31	6	3		
18	33	0	0	18	33	4	6		
19	34	10	0	19	35	2	9		
20	36	8	0	20	37	1	0		
21	38	6	0	21	38	11	3		
22	40	4	0	22	40	9	6		
23	42	2	0	23	42	7	9		
24	44	0	0	24	44	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	10	0	1	0	1	10	3
2	0	3	8	0	2	0	3	8	6
3	0	5	6	0	3	0	5	6	9
4	0	7	4	0	4	0	7	5	0
5	0	9	2	0	5	0	9	3	3
6	0	11	0	0	6	0	11	1	6
7	1	0	10	0	7	1	0	11	9
8	1	2	8	0	8	1	2	10	0
9	1	4	6	0	9	1	4	8	3
10	1	6	4	0	10	1	6	6	6
11	1	8	2	0	11	1	8	4	9
Yds. In. long.					Yds. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	5	6	0		0	5	6	9
	0	11	0	0		0	11	1	6
	1	4	6	0		1	4	8	3

Feet long.	22 $\frac{1}{2}$ broad.			Feet long.	22 $\frac{1}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	10	6	1	1	10	9
2	3	9	0	2	3	9	6
3	5	7	6	3	5	8	3
4	7	6	0	4	7	7	0
5	9	4	6	5	9	5	9
6	11	3	0	6	11	4	6
7	13	1	6	7	13	3	3
8	15	0	0	8	15	2	0
9	16	10	6	9	17	0	9
10	18	9	0	10	18	11	6
11	20	7	6	11	20	10	3
12	22	6	0	12	22	9	0
13	24	4	6	13	24	7	9
14	26	3	0	14	26	6	6
15	28	1	6	15	28	5	3
16	30	0	0	16	30	4	0
17	31	10	6	17	32	2	9
18	33	9	0	18	34	1	6
19	35	7	6	19	36	0	3
20	37	6	0	20	37	11	0
21	39	4	6	21	39	9	9
22	41	3	0	22	41	8	6
23	43	1	6	23	43	7	3
24	45	0	0	24	45	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	10	6	1	0	1	10	9
2	0	3	9	0	2	0	3	9	6
3	0	5	7	6	3	0	5	8	3
4	0	7	6	0	4	0	7	7	0
5	0	9	4	6	5	0	9	5	9
6	0	11	3	0	6	0	11	4	6
7	1	1	1	6	7	1	1	3	3
8	1	3	0	0	8	1	3	2	0
9	1	4	10	6	9	1	5	0	9
10	1	6	9	0	10	1	6	11	6
11	1	8	7	6	11	1	8	10	3

Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	5	7	6		0	5	8	3
	0	11	3	0		0	11	4	6
	1	4	10	6		1	5	0	9

Feet long.	23 In. broad.				Feet long.	23 $\frac{1}{4}$ broad.			
	Ft.	In.	Pa.			Ft.	In.	Pa.	
1	1	11	0		1	1	11	3	
2	3	10	0		2	3	10	6	
3	5	9	0		3	5	9	9	
4	7	8	0		4	7	9	0	
5	9	7	0		5	9	8	3	
6	11	6	0		6	11	7	6	
7	13	5	0		7	13	6	9	
8	15	4	0		8	15	6	0	
9	17	3	0		9	17	5	3	
10	19	2	0		10	19	4	6	
11	21	1	0		11	21	3	9	
12	23	0	0		12	23	3	0	
13	24	11	0		13	25	2	3	
14	26	10	0		14	27	1	6	
15	28	9	0		15	29	0	9	
16	30	8	0		16	31	0	0	
17	32	7	0		17	32	11	3	
18	34	6	0		18	34	10	6	
19	36	5	0		19	36	9	9	
20	38	4	0		20	38	9	0	
21	40	3	0		21	40	8	3	
22	42	2	0		22	42	7	6	
23	44	1	0		23	44	6	9	
24	46	0	0		24	46	6	0	
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	11	0	1	0	1	11	3
2	0	3	10	0	2	0	3	10	6
3	0	5	9	0	3	0	5	9	9
4	0	7	8	0	4	0	7	9	0
5	0	9	7	0	5	0	9	8	3
6	0	11	6	0	6	0	11	7	6
7	1	1	5	0	7	1	1	6	9
8	1	3	4	0	8	1	3	6	0
9	1	5	3	0	9	1	5	5	3
10	1	7	2	0	10	1	7	4	6
11	1	9	1	0	11	1	9	3	9
Pis. In. long.					Pis. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	5	9	0		0	5	9	9
	0	11	6	0		0	11	7	6
	1	5	3	0		1	5	5	3

Feet long.	23 $\frac{1}{2}$ broad.			Feet long.	23 $\frac{1}{2}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	11	6	1	1	11	9		
2	3	11	0	2	3	11	6		
3	5	10	6	3	5	11	3		
4	7	10	0	4	7	11	0		
5	9	9	6	5	9	10	9		
6	11	9	0	6	11	10	6		
7	13	8	6	7	13	10	3		
8	15	8	0	8	15	10	0		
9	17	7	6	9	17	9	9		
10	19	7	0	10	19	9	6		
11	21	6	6	11	21	9	3		
12	23	6	0	12	23	9	0		
13	25	5	6	13	25	8	9		
14	27	5	0	14	27	8	6		
15	29	4	6	15	29	8	3		
16	31	4	0	16	31	8	0		
17	33	3	6	17	33	7	9		
18	35	3	0	18	35	7	6		
19	37	2	6	19	37	7	3		
20	39	2	0	20	39	7	0		
21	41	1	6	21	41	6	9		
22	43	1	0	22	43	6	6		
23	45	0	6	23	45	6	3		
24	47	0	0	24	47	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	11	6	1	0	1	11	9
2	0	3	11	0	2	0	3	11	6
3	0	5	10	6	3	0	5	11	3
4	0	7	10	0	4	0	7	11	0
5	0	9	9	6	5	0	9	10	9
6	0	11	9	0	6	0	11	10	6
7	1	1	8	6	7	1	1	10	3
8	1	3	8	0	8	1	3	10	0
9	1	5	7	6	9	1	5	9	9
10	1	7	7	0	10	1	7	9	6
11	1	9	6	6	11	1	9	9	3
Crs. In. long.					Crs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	5	10	6		0	5	11	3
	0	11	9	0		0	11	10	6
	1	5	7	6		1	5	9	9

Feet long.	24 In. broad.		
	Ft.	In.	Pa.
1	2	0	0
2	4	0	0
3	6	0	0
4	8	0	0
5	10	0	0
6	12	0	0
7	14	0	0
8	16	0	0
9	18	0	0
10	20	0	0
11	22	0	0
12	24	0	0
13	26	0	0
14	28	0	0
15	30	0	0
16	32	0	0
17	34	0	0
18	36	0	0
19	38	0	0
20	40	0	0
21	42	0	0
22	44	0	0
23	46	0	0
24	48	0	0

Inches long.				
	Ft.	In.	Pa.	S.
1	0	2	0	0
2	0	4	0	0
3	0	6	0	0
4	0	8	0	0
5	0	10	0	0
6	1	0	0	0
7	1	2	0	0
8	1	4	0	0
9	1	6	0	0
10	1	8	0	0
11	1	10	0	0

Qrs. In. long.				
	In.	Pa.	S.	T.
	0	6	0	0
	1	0	0	0
	1	6	0	0

OF THE
PRICES and WEIGHT
OF
NAILS.

AS I know of no Materials relating to building, in which so great *Abuses* and *Impositions* constantly occur, as in the Article of *Nails*; I shall be very particular in my Directions concerning them in Hopes of preventing such Practices for the future.

Nails are of many *Sorts*, and of several of *these Sorts* there are great Variety.

N. B. *The Wholesale Dealers in Nails, have found it necessary to distinguish them into GENERAL and SPECIAL: But first, of what they understand by General Nails.*

Under the *General Sorts* of *Nails*, they comprehend, 1. *Brads*; 2. *Hobbs*; and 3. *Nails*.

1. *BRADS*; viz. *Bill-Brads*, *Plain-Brads*, and *Gunner-Brads*.

2. *HOBBS*; viz. *Clasp-Hobbs*, *Dye-Hobbs*, *Rose-Hobbs*, *Skidder-Hobbs*, and *Thick-Hobbs*.

3. *NAILS*; viz. *Deck-Nails*, *Flat-Head-Nails*, *Flat-Point-Nails*, *Drawe-Nails*, *Lead-Nails*, *Rose-Nails*, *Scupper-Nails*, *Sharp-Nails*, *Middle-Nails*, *Square Nails*, *Prigg-Nails*, *Spike-Nails*, and *Weight-Nails*.

N. B. *The above which are known by the Names of General Nails, are sold by the Thousand, and including them all, the Price is from 8 d. to 12 s. per Thousand, and the Weight from 2 oz. $\frac{1}{2}$, to 40 lb. per Thousand.*

Note, A Thousand of Nails is 1200, there being 120 to the Hundred.

☞ If you would understand how to buy *Nails* of any of the above *Sorts* (for there are of several *Sizes* and *Prices* of each *Sort*) you must observe the following *TABLE*.

A a 2

The U S E

Of the following

T A B L E.

Having the Price, to find the Weight.

EXAMPLE I.

*If a Thousand of Rose-Nails cost 2s. 3d. how much ought they to weigh?**Look in the Table for 2s. 3d. the Price, and against it is 5lb. 4 oz. and so much a Thousand of Rose Nails (which cost 2s. 3d.) ought to weigh.*

EXAMPLE II.

*If a Thousand of Rose-Nails, cost 12s. how much ought they to weigh?**Look in the Table for 12s. the Price, and against it is 40 lb. and that is the Weight of a Thousand of Rose-Nails, which cost 12s.**Having the Weight to find the Price.*

EXAMPLE I.

*What is the Price or Value of a Thousand of Sharp-Nails that weigh 2 lb. 8 oz?**Look in the Table for 2 lb. 8 oz. the Weight, and against it stands 1s. 4d. $\frac{1}{2}$, and that is the Price of a Thousand of Sharp-Nails, which weigh 2lb. 8 oz.*

EXAMPLE II.

*What ought I to pay for a Thousand of Sharp-Nails, that weigh 36 lb?**Look in the Table for 36 lb. the Weight, and against it stands 11s. and that is what I ought to pay for them.**And so you may find either the Weight or Value of any other of the General Sorts of Nails; and the same Method is to be observed for finding the Weight or Value of any of the Special Sorts of Nails.*

The TABLE of the Prices and Weight of the GENERAL Sorts of Nails, viz. Brads, Hobbs, Nails.

1. BRADS; viz. Bill-Brads, Plain-Brads, and Gunner-Brads.

2. HOBBS; viz. Clasp-Hobbs, Dye-Hobbs, Rose-Hobbs, Skidder-Hobbs, and Thick-Hobbs.

3. NAILS; viz. Deck-Nails, Flat-head Nails, Flat-point-Nails, Drawe-Nails, Lead-Nails, Rose-Nails, Scupper-Nails, Sharp-Nails, Middle-Nails, Square-Nails, Prigg-Nails, Spike-Nails, and Weight-Nails.

Price per Thous.		Should weigh per Thous.		Price per Thous.		Should weigh per Thous.	
s.	d.	lb.	oz.	s.	d.	lb.	oz.
0	7 $\frac{1}{2}$	0	2 $\frac{1}{4}$	2	8	6	8
0	8	0	5	2	8 $\frac{1}{2}$	6	12
0	8 $\frac{1}{4}$	0	6	2	9	7	0
0	9	0	8	2	10 $\frac{1}{2}$	7	8
0	9 $\frac{1}{4}$	0	9	3	0	8	0
0	9 $\frac{1}{2}$	0	10	3	3	9	0
0	10 $\frac{1}{4}$	0	14	3	7	10	0
0	10 $\frac{1}{2}$	0	15	3	10	11	0
0	11	1	0	4	1	12	0
1	0 $\frac{1}{2}$	1	6	4	6	13	0
1	1	1	8	4	9	14	0
1	1 $\frac{1}{2}$	1	12	5	0	15	0
1	2	1	14	5	3	16	0
1	2 $\frac{1}{2}$	2	0	5	6	17	0
1	4 $\frac{1}{2}$	2	8	5	10	18	0
1	6	2	12	6	2	19	0
1	6 $\frac{1}{2}$	2	14	6	5	20	0
1	7	3	0	6	8	21	0
1	8 $\frac{1}{2}$	3	8	6	10	22	0
1	9 $\frac{1}{2}$	3	12	7	3	23	0
1	10	4	0	7	6	24	0
1	11	4	4	8	2	26	0
2	0	4	8	8	10	28	0
2	1	4	12	9	2	30	0
2	2 $\frac{1}{2}$	5	0	9	6	32	0
2	3	5	4	11	0	36	0
2	4	5	8	12	0	40	0
2	6	6	0				

NAILS.

Flat pointed, Strong, or Draw'd.

The Name.	Price per Ct. Wt.	The Name.	Price per Ct. Wt.
<i>s. d.</i>	<i>l. s. d.</i>	<i>s. d.</i>	<i>l. s. d.</i>
2 0	1 11 0	4 0	1 9 0
2 6	1 10 0	5 0	1 9 0
3 4	1 9 0	6 0	1 9 0

WEIGHT-NAILS.

Are 28 s. per Hundred Weight.

Here ends those Nails which are known by GENERAL Sorts of Nails.

The TABLE of the Prices,
and Weight of the SPECIAL
Sorts of Nails.

Batten-Brads.

Price per Thous.	Should weigh per Thous.	Price per Thous.	Should weigh per Thous.
<i>s. d.</i>	<i>lb. oz.</i>	<i>s. d.</i>	<i>lb. oz.</i>
0 8½	0 8	1 9	2 12
0 11	0 14	1 10	2 14
0 11½	1 0	1 11	3 0
1 3	1 12	2 4	4 0
1 3½	1 14	2 10	5 0
1 4	2 0		

Clout-NAILS.

Price per Thous.	Should weigh per Thous.
<i>s. d.</i>	<i>lb. oz.</i>
2 1	4 8
2 10	7 0
3 2	8 0

Dogg-NAILS.

Price per Thous.	Should weigh per Thous.
<i>s. d.</i>	<i>lb. oz.</i>
3 9	9 0
4 9	12 0
6 0	16 0

Clout-BRADS.

Price per Thous.	Should weigh per Thous.
<i>s. d.</i>	<i>lb. oz.</i>
3 6	9 0

N. B. There are larger Dogg-Nails;
viz.

From 20 lb. to 120 lb. per Thousand,
and are sold at 4 d. per Pound.

Jobent-Nails.

Price per Thous.	Should weigh per Thous.
s. d.	lb. oz.
0 10 $\frac{1}{2}$	0 14
0 11 $\frac{1}{4}$	1 0
1 2 $\frac{1}{2}$	1 14
1 3	2 0
1 7	3 0

Tenter-Hooks.

Price per Thous.	Should weigh per Thous.
s. d.	lb. oz.
1 3	1 0
1 6	1 8
2 2	3 8
3 0	5 8
4 6	10 0
7 0	19 0
16 0	40 0

Round-Head-
NAILS.

Price per Thous.	Should weigh per Thous.
s. d.	lb. oz.
0 11 $\frac{1}{2}$	0 13
1 0 $\frac{1}{4}$	1 0
1 3	1 10
1 4 $\frac{1}{2}$	2 0
1 11	3 4
2 9	5 0
3 3	7 0
4 4	10 0
5 6	13 0

Glazier's SPRIGS.

Price per Thous.	Should weigh per Thous.
s. d.	lb. oz.
0 7 $\frac{1}{2}$	0 3
0 8	0 14
0 8 $\frac{3}{4}$	1 0

Pound-NAILS.

The Name.	Price per Ct. Wt.	The Name.	Price per Ct. Wt.
lb. oz.	l. s. d.	lb. oz.	l. s. d.
14 0	1 15 0	44 0	1 13 0
20 0	1 15 0	54 0	1 12 0
34 0	1 15 0		

Cart-NAILS.

Are from 5 to 8 Inches long, and are sold
At 30 s. per Hundred Weight.

Ribbing-NAILS.

Are from 5 to 10 Inches long, and are sold
At 27 s. per Hundred Weight.

Timber-NAILS.

Are from 6 to 6 Inches long, and are sold
At 30 s. per Hundred Weight.

Joiners-RIVETS.

Joiners-Rivets are sold by the *Pound-Weight*; viz.

Those of an Inch, at 4d. $\frac{1}{2}$; those of
Inch and $\frac{1}{2}$, at 4d. $\frac{1}{4}$; those of 2 Inch.
at 4d. $\frac{1}{2}$; those of 3 Inches at 4d; and
those of 4 Inches at 4d. per *Pound*.

WOOD-SCREWS.

Of *Wood-Screws*, there are 31 *Sizes*,
which are sold from 1 s. 6 d. to 36 s.
per *Gross*; viz.

At 1 s. 6 d; at 1 s. 8 d; at 2 s; at
2 s. 3 d; at 2 s. 6 d; at 2 s. 8 d; at 2 s.
10 d; at 3 s. at 3 s. 2 d; at 3 s. 6 d; at
3 s. 9 d; at 4 s. at 4 s. 3 d; at 4 s. 6 d;
at 5 s. at 5 s. 6 d; at 5 s. 9 d; at 6 s;
at 7 s; at 9 s; at 10 s; at 12 s; at 14 s;
at 15 s; at 18 s; at 20 s; at 22 s; at
24 s; at 28 s; at 30 s; and at 36 s.
per *Gross*.

T H E
P R I C E S
O F

Joiners Tools, &c.

Augers.

THERE are 12 Sizes of *Augers*, which are sold from 1s. to 4s. a piece; viz.

Those which are $\frac{1}{2}$ Inch at 1s; $\frac{3}{8}$ Inch at 1s 2d; $\frac{1}{2}$ Inch at 1s 3d; $\frac{7}{8}$ Inch at 1s 5d; Inch at 1s 6d; Inch $\frac{1}{2}$ at 1s 8d; Inch $\frac{3}{4}$ at 2s; Inch $\frac{7}{8}$ at 2s 6d; Inch $\frac{1}{2}$ at 2s 8d; Inch $\frac{5}{8}$ at 3s; Inch $\frac{3}{4}$ at 3s 6d; and 2 Inches at 4s a piece.

Hammers.

There are several Sorts of *Hammers*, but I shall only take Notice of those known by the Names of *Claw-Hammers*, *Welded Cheek-Hammers*, and *Lathing-Hammers*.

There are 7 Sorts of *Claw-Hammers*, which are sold from 2s 8d. to 8s. per Dozen; viz.

At 2s 8d; at 3s 6d; at 4s; at 4s 6d; at 5s 6d; at 7s; and at 8s. per Dozen.

There are 4 Sorts of *Welded Cheek-Hammers*, which are sold from 11s. to 16s. 6d. per Dozen; viz.

At 11s; at 12s; at 14s; and at 16s 6d. per Dozen.

There are 4 Sorts of *Lathing-Hammers*, which are sold from 10s. to 15s. per Dozen; viz.

At 10s; at 12s; at 14s; and at 15s. per Dozen.

Axes, Adzes, and Hatchets.

There are also 3 Sorts of *Axes*, which I shall take Notice of, viz. *Felling-Axes*, *House-Axes*, and *Lopping-Axes*.

There are 4 Sorts of *Felling-Axes*, which are sold from 1s 5d. to 2s. a piece; viz.

N^o 1. at 1s 5d; N^o 2. at 1s 6d; N^o 3. at 1s 10d; and N^o 4. at 2s. a piece.

There are also 4 Sorts of *House-Axes*, which are sold from 2s. 6d. to 3s. 6d. a piece; viz.

At 2s 6d; at 3s; at 3s 3d; and at 3s 6d. a piece.

Likewise there are 4 Sorts of *Lopping-Axes*, which are sold from 17s. to 24s. per Dozen; viz.

At 17s; at 18s; at 22s; and at 24s. per Dozen.

There are 2 Sizes of *Adzes*; one at 20d; and the other at 2s a piece.

There are 2 Sizes of *Joiners-Hatchets*; the one is sold at 18s; and the other at 20s. per Dozen.

Saws.

There are several Sorts of *Saws*, both of *Steel* and *Iron*; viz. *Compass Steel-Saws*, *Grafting-Saws*, *Hand and Pannell-Saws*, *Tenant-Saws*, *Two-Hand-Peg-Tooth Saws*, *Whip Steel-Saws*, *Rib-Steel-Saws*.

Compass-Steel Saws, are sold by the Dozen; viz.

Those of 12 Inches at 8s; and those of 15 Inches, at 10s. per Dozen.

Grafting-Saws, are also sold by the Dozen; viz.

Those of 10 Inches, at 9s; 12 Inches, at 12s; 14 Inches, at 14s; 16 Inches, at 16s; and 18 Inches, at 18s. per Dozen.

Hand and Pannell Saws, are likewise sold by the Dozen; viz.

Those of 20 Inches, are at 22s; 22 Inches, at 25s; 24 Inches, at 28s; and 26 Inches, at 30s. per Dozen.

Hand and Pannell Saws (Extraordinary) *Hardened Plates*, viz.

Those of 22 Inches, are sold at 4s 6d; 24 Inches, at 5s; and 26 Inches, at 5s 6d. a piece.

Tenant-Saws, *Harden'd-Plates* (Extraordinary) are sold at 55s. per Dozen.

Two-Hand-Peg-Tooth and *Whip Steel-Saws*: Of these there are 13 different Sorts, which are sold from 6s 6d. to 30s. a piece; viz.

Those of 3 Foot, at 6s 6d; 3 Foot $\frac{1}{2}$ at 7s 6d; 4 Foot, at 9s; 4 Foot $\frac{1}{2}$ 10s; 5 Foot, at 11s; 5 Foot $\frac{1}{2}$, at 13s; 6 Foot, at 15s; 6 Foot $\frac{1}{2}$, at 16s; 7 Foot, at 17s; 7 Foot $\frac{1}{2}$, at 20s; 8 Foot, at 22s; 8 Foot $\frac{1}{2}$, at 25s; and 9 Foot, at 30s. a piece.

Rib-

Rib-Steel-Saws, are sold *singly*; viz.

Those of 5 Foot, at 8s; 5 Foot $\frac{1}{2}$, at 9s; and 6 Foot at 10s. a piece.

White's-Saws.

Hand-Saws, Whet and Set, are sold *singly*, viz.

Those of 22 Inches, at 6s; 24 Inches, at 6s 6d; and 26 Inches, at 7s. a piece.

Pannell-Saws, made per *White*, Whet and Set, are sold at 6s. a piece.

Tennant-Saws, made per *White*, Whet and Set, are sold at 7s. a piece.

Whip-Saws, made per *White*, Whet and Set, with Tillers, and Set: Of these there are 7 Sizes, which are sold as follows; viz.

Those of 6 Foot, at 28s; 6 Foot $\frac{1}{2}$, at 32s; 7 Foot, at 34s; 7 Foot $\frac{1}{2}$, at 38s; 8 Foot, at 42s; 8 Foot $\frac{1}{2}$, at 44s; 9 Foot, at 50s.

Iron-Saws.

Iron-Hand-Saws are sold per the *Dozen*; viz.

Those of 17 Inches, at 8s; 18 Inches, at 9s; 19 Inches, at 10s; 20 Inches, at 12s; 22 Inches, at 13s; and 24 Inches, at 16s; per *Dozen*.

Iron-Two-Hand, Peg-Tooth, and Whip-Saws, are sold *singly*, viz.

Those of 3 Foot, at 3s; 3 Foot $\frac{1}{2}$, at 3s 6d; 4 Foot, at 4s; 4 Foot $\frac{1}{2}$, at 4s 6d; 5 Foot, at 5s; 5 Foot $\frac{1}{2}$, at 5s 6d; 6 Foot, at 6s 6d; 6 Foot $\frac{1}{2}$, at 7s; and 7 Foot, at 7s 6d.

Hand-Saw-Screws, are sold at 6s. per *Gross*.

Hand Saw-Setts, are sold at 2s. per *Dozen*.

But the *very best* are 3s. per *Dozen*.

Stone-Saws are sold at 35s. per *Hundred Weight*.

Chizels.

There are several Sorts of *Chizels*; viz. *Firmers* and *Gouges*, *Mortice Chizels*, *Pairing-Chizels*, *Broad-Chizels*, *Heading-Chizels*, *Scribing-Chizels*, *Turning-Chizels* and *Socket Gouges*; all which are sold by the *Dozen*.

136 *Compasses, Trowels.*

Firmers and Gouges shouldered, those of an Inch or under, at 20d. per Dozen; those from an Inch $\frac{1}{4}$ to an Inch and half, at 2s. per Dozen; those from an Inch $\frac{3}{4}$ to Two Inches, at 2s 6d. per Dozen.

N. B. Of these there are a longer Sort, which are 4s. per Dozen.

Mortice-Chizels, at 4s 6d. per Dozen.

Pairing-Chizels, at 7s. per Dozen.

N. B. There are a better Sort of *Pairing-Chizels*, which are 8s. per Dozen.

Broad-Chizels, are 7s. per Dozen.

Heading-Chizels, those of $\frac{1}{2}$ Inch, are 4s. per Dozen.

And those of $\frac{3}{4}$ Inch, and Inch, are 6s. per Dozen.

Scribing-Chizels, are 5s. per Dozen.

Turning-Chizels, and *Gouges*, are 5s. 6d. per Dozen.

Socket-Gouges, are 5s. per Dozen.

Compasses.

Of these, there are 7 Sizes, which are sold from 20d. to 3s 4d. per Dozen; viz.

At 20d; at 2s; at 2s 3d; at 2s 6d; at 2s 9d; at 3s; at 3s 4d. per Dozen.

Compasses with *Steel Sweeps*, are of different Sizes, and are sold *Singly*; viz.

Those of 12 Inches, at 2s 6d; 13 Inches, at 2s 9d; 14 Inches, at 3s; and 15 Inches, at 3s 6d. per Pair.

Trowels.

Of these, there are the following Sorts, viz.

Brick-Trowels, at 10s. per Doz.

Setting-Trowels, at 9s. per Doz.

Stopping-Trowels, at 8s. per Doz.

Stone-Trowels, at 10s. per Doz. and

Laying-Trowels, at 10s. per Doz.

Jack, or *Hand-Screws* (Single).

Of these there are several Sizes, which are sold by the Pair; viz.

Those of $\frac{1}{2}$ Inch, at 16s; those of $\frac{3}{4}$ Inch, at 25s; those of $\frac{7}{8}$ Inch, at 26s; those of an Inch, at 30s; those of Inch $\frac{1}{8}$, at 31s; those of Inch $\frac{1}{4}$, Inch $\frac{3}{8}$, and Inch $\frac{1}{2}$, at 40s. a Pair.

Jack, or *Hand-Screws* (Double)

Are sold by the Pair; viz. those of Inch $\frac{1}{4}$, at 40s; and those of Inch $\frac{1}{2}$, at 80s.

Bolts

Bolts.

There are several Sorts of *Bolts*; viz. *Balcony-Bolts*, *Spring-Bolts*, *Sash-Bolts*, and *Shutter-Bolts*.

Some Balcony-Bolts are sold by the *Dozen*, and *some* by the *Pair*; there are 10 Sorts of those which are sold per *Dozen*; viz.

At 6s; at 7s; at 9s; at 12s; at 15s; at 18s; at 22s; at 24s; at 26s; and at 28s. per *Dozen*.

Balcony-Bolts, sold by the *Pair*, of these there are 8 Sorts; viz.

At 3s; at 3s 6d; at 4s 6d; at 5s; at 5s 6d; at 7s; at 9s; and at 12s. per *Pair*.

Spring-Bolts, and *Sash-Bolts*, are sold by the *Dozen*, and of these there are 15 Sorts; viz.

At 1s 6d; at 1s 10d; at 2s 3d; at 2s 4d; at 2s 9d; at 3s 6d; at 4s; at 4s 6d; at 5s 6d; at 6s 6d; at 9s; at 12s; at 13s; at 15s; and at 18s. per *Dozen*.

Shutter-Bolts are sold per the *Dozen*; and of these there are 5 Sorts; viz.

At 10s; at 12s; at 14s; at 16s; and at 18s. per *Dozen*.

Latches.

Of these there are several Sorts; viz. *Long-Tinn'd-Latches*; *Varnished-Latches*; *Spring* and *Thumb-Latches*; with *Brass-Knobs*; and *Rimmed-Latches*.

Long-Tinn'd-Latches, are sold by the *Doz.* and of these there are 7 Sorts; viz.

At 2s 3d; at 2s 6d; at 3s; at 4s; at 4s 6d; at 6s; and at 7s. per *Doz.*

Varnish'd-Latches, are sold by the *Doz.* and of these there are 5 Sorts; viz.

At 2s 6d; at 3s; at 4s; at 6s; and at 8s. per *Doz.*

Spring and *Thumb-Latches*, are sold by the *Dozen*; and of these there are 9 Sorts, viz.

At 3s 6d; at 4s; at 4s 6d; at 5s 6d; at 7s; at 8s; at 9s; at 12s; and at 14s. per *Dozen*.

Latches with *Brass-Knobs*, are sold by the *Dozen*; and of these there are 3
 8 viz.

At

At 14s; at 16s; and at 18s per Doz.

Rimmed-Latches: Of these there are sundry Sorts; viz. *Iron-Cased*, *Brass-Cased*, and some *Sliding-Cased*, and some *not Cased*; these are sold *Sin ty*, and are from 1s 10d; to 16s. a piece; viz.

At 1s 10d; at 2s 2d; at 2s 4d; at 3s; at 3s 6d; at 4s; at 4s 6d; at 5s 6d; at 6s 6d; at 8s 6d; at 9s; at 10s; at 12s; at 13s; and at 16s. a piece.

Hinges.

There being several Sorts and many Sizes of Hinges; the *Wholesale Smiths* and *Iron-mongers*, to avoid, as much as possible, too great a Multiplicity of Prices, have contrived to *Class* and consider several Sorts *together*, after such a Manner, that the Prices set down under each *Class* or *Sortment* are applicable to the whole.

Black-Hinges, *Chest-Hinges*, *Chest-Hasps*, *Hooks and Hinges*, *Scuttle-Hinges*, *Strap-Hinges*.

The above Sorts are sold by the Doz. as follows; viz.

At 3s 3d; at 4s 3d; at 5s 3d; at 6s 3d; at 7s 6d; at 8s 6d; and at 10s 6d. per Dozen.

Cross-Garnet-Hinges, with *rising-Joints*, are sold by the Dozen; and from 6s 6d; to 15s 6d; viz. at 6s 6d; at 8s 6d; at 10s 6d; at 13s 6d; and at 15s 6d. per Dozen.

Cross Garnet and *Scuttle-Hinges* that are *weighty*, are sold at 3s 6d. per *Hundred Weight*.

But if more than 2; Pair to the *Hundred Wt.* then at 12d. per *Hundred* more.

Cross Garnet-Hinges, with *filed-Joints*, are sold at 37s 6d. per *Hundred Weight*.

Hinges with Hooks, are sold at 30s. per *Hundred Weight*. N. B. Sometimes they have *Stay-Hooks*, and then they are 2s. per *Hundred* more.

Holdfasts and *Wall-Hooks*, are sold at 33s. per *Hundred Weight*.

Ditto for *Joiners*, are sold at 4d $\frac{1}{2}$ per *Pound*.

Hooks and Eyes for Gates, are sold at 3d. $\frac{1}{2}$ or 3d $\frac{3}{4}$ per *Pound*.

The *Cheaper Sort* of Hinges, are *Lancashire Hinges*, *Balcony-Hinges*, *Chest-Hinges*,

Hinges, *Dove-Tailed Hinges*, *Cross Garnet-Hinges*, *Shutter-Hinges*, *Side-Hinges*, *Pew-Hinges*, *Box-Hinges*, and *Bed-Hinges*.

N. B. These Sorts are sold by the *Doz.* viz.

At 1s; at 1s 2d; at 1s 6d; at 2s 6d; at 3s; at 4s; at 5s; at 8s; at 10s; at 12s; at 14s; at 16s; at 18s; at 20s; at 24s; and at 30s. per *Dozen*.

Smooth-Filed-Hinges, viz. *Balcony-Hinges*, *Box-Hinges*, *Chest-Hinges*, *Clock-Cafe-Hinges*, *D-jk-Hinges*, *Pew-Hinges*, *Shutter-Hinges*, *Side Hinges*, and *Tumblers*.

N. B. These Hinges are sold by the *Doz.* as follows, viz.

At 1s 6d; at 1s 8d; at 1s 9d; at 2s; at 2s 2d; at 2s 6d; at 3s; at 3s 6d; at 4s; at 4s 6d; at 5s 6d; at 7s; at 9s; at 10s; at 11s; at 14s; at 16s; at 20s; at 22s; at 24s; at 26s; at 30s; at 36s; and at 42s. per *Dozen*.

Some *Smooth Filed-Hinges*, are sold by the *Pair*, and are from 4s. to 7s; viz.

At 4s; at 5s; at 5s 6d; at 6s; and at 7s. a *Pair*.

The *best I-L Hinges*, are sold by the *Pair*, viz.

Those of 6 Inches, at 9d; 7 Inches, at 10d; 8 Inches, at 1s; 9 Inches, at 1s 2d; 10 Inches, at 1s 6d; 11 Inches, at 2s; and 12 Inches, at 2s 9d. a *Pair*.

N. B. There are larger Sizes, which are sold at 10d. per *Pound*.

I-L Hinges, with *Rising Joints*, are sold by the *Pair*, as follows; viz.

Those of 7 Inches, at 1s 2d; 8 Inches, at 1s 6d; 9 Inches, at 1s 9d; 10 Inches, at 2s 2d; 11 Inches, at 3s; and 12 Inches at 4s. a *Pair*.

N. B. There are larger Sizes, which are sold at 10d. per *Pound*.

Pew Hinges are sold by the *Dozen*, as follows; viz.

Those of 6 Inches, at 9s; 7 Inches, at 13s; 8 Inches, at 17s; 9 Inches, at 21s; and 10 Inches, at 25s. per *Doz.*

Shutter-Hinges are sold by the *Doz.* viz.

Those of 6 Inches, at 7s; 7 Inches, at 10s; 8 Inches, at 12s; and 9 Inches at 16s. per *Dozen*.

Side-

Side Hinges are sold by the *Dozen*, as follows; *viz.*

5 Inches, at 4s 6d; 6 Inches, at 6s; 7 Inches, at 8s; 8 Inches, at 10s; 9 Inches at 12s; and 10 Inches, at 13s. per *Dozen*.

The *best-Dove-Tailed-Hinges*, are sold by the *Pair*, *viz.*

Those of 3 Inches, at 3s; 3 Inches $\frac{1}{2}$, at 4s; 4 Inches, at 4s 6d; 4 Inches $\frac{1}{2}$, at 5s; and 5 Inches, at 6s. a *Pair*.

Locks.

The different Sorts of *Locks* are almost innumerable, as it respects the *Making* and *Contriving* their *Wards* and *Guards*, &c. and a more particular Account than what I shall give of them, would, by the Generality of Readers, I presume, be thought superfluous; the *Locks* I shall exhibit the Prices of, are,

1. *Bastard-Banbury-Stock-Locks*.
2. *Livery-Stock-Locks*.
3. *Plate-Stock-Locks*.
4. *Plate-Closet-Locks*; *ditto* with *Screws*, *ditto* with *single Springs*; *ditto* with *double Springs*.
5. *Spring Stock-Locks*; *twice Dead*; *Spring-Stock-Locks*; *twice Dead*, in *Suite*.
6. *Iron-Rimn'd-Locks*; *once Dead*; *twice Dead* and *Pull-Back*, with *Brass Knobs*; *One Bolt*, *Two Bolts*, and *Three Bolts*, *plain*, and *Wards bound*.
7. *Brass-Rimn'd-Locks*; *Closet*, with *Spindles*; *not Cased*; *Cased*, and *Sliding Case*.
8. *D Gate-Locks*, with *two Wards*, *three Wards*, *Steel-Wards*, *Slit-Key*, or *Letter-Key*.
9. *Hanging-Locks*; *Pad-Locks*; *Slit-Key'd-Locks*; *Bridg'd*, and *Secret-Pad-Locks*.
10. *Cabinet Locks*; *Box-Locks*; *Cup-board-Locks*, and *Till-Locks*.
11. *Cabinet-Locks*; *Till-Locks*; *Scrutator-Lock*; *Desk-Locks*; *Book-Case-Locks*, in *Suite*; *Five Locks*, and *one Key*.
12. *Inside-Locks*, for *Chests*, *Desks*, *Tills*, *Cupboard*, and *Boxes*; *viz.*
X Keys, X Wards, XX Wards, XX and Bullet Wards; S Bitted, &c.

13. *Out-*

13. *Outside-Locks* for Boxes, Chests, Trunks, and Ban Boxes.

14. *Very small X Ward, Cupboard, and Till-Locks.*

I shall begin with those which the *Wholesale-Dealers* prize distinctly; and it must be observed, (by such as would attain a true Notion of these things) that as it was in the Case of *some Hinges*, so it is in the Case of *some Locks*; the *Wholesale Ironmongers* and *Smiths*, to avoid, as much as possible, too great a Multiplicity of Prices, have contrived to *Class*, or *Sort*, several Kinds of Locks together, so that the Prices set down shall be applicable to all the *Sorts* in each *Class*.

Bostard-Banbury-Stock Locks, are sold by the *Dozen*; viz.

At 6s; at 7s; at 8s; and at 9s per *Dozen*.

Livery Stock Locks, are sold from 6s 6d to 24s per *Dozen*; viz.

At 6s 6d; at 8s 6d; at 9s; at 11s; at 14s; at 16s; at 20s; at 22s; and at 24s per *Dozen*.

Plate-Stock Locks, are sold from 8s to 27s per *Dozen*; viz.

At 8s; at 9s; at 11s; at 12s; at 14s; at 16s; at 20s; at 22s; at 24s; and at 27s per *Dozen*.

Plate-Closet Locks; of these, some are sold by the *Dozen*; some are sold *singly*, with *Screws*, some are sold *singly*, with *single Springs*, and some are sold *singly*, with *Double Springs*: Those sold by the *Dozen*, are from 11s to 20s; viz.

At 11s; at 12s; at 14s; at 16s; and at 20s per *Dozen*.

Those sold *singly* with *Screws*, are from 16d to 3s 6d a *piece*; viz.

At 1s 4d; at 1s 8d; at 1s 10d; at 2s 2d; at 2s 9d; and at 3s 6d a *piece*.

Those sold *singly*, with *single Springs*, are sold from 6s 6d to 9s a *piece*; viz.

At 6s 6d; at 7s; at 8s; and at 9s a *piece*.

Those sold *singly*, with *Double Springs*, are sold from 12s to 16s a *piece*; viz.

At 12s; at 14s; and at 16s a *piece*.

Spring-Stock Locks, twice Dead, are

fold from 2s 2d; to 9s 6d a piece; viz.

At 2s 2d; at 2s 4d; at 2s 10d; at 3s 6d; at 4s 6d; at 5s 6d; at 7s; at 8s; and at 9s 6d a piece.

Spring-Stock-Locks, twice Dead, in Suite, are from 11s to 50s; viz.

At 11s; at 14s; at 16s; at 20s; at 22s; at 24s; at 26s; at 33s; at 40s; and at 50s a piece.

Iron-Rimm'd Locks, are of fundry Sorts, viz.

Once Dead, twice Dead, and Pull Backs, with *Brass-Knobs*; One Bolt; Two Bolts; and Three Bolts; Plain, and Wards bound.

Brass-Rimm'd-Locks, Closet, with *Spindles*, not Cas'd, Cas'd, and Sliding Cas'd.

N. B. The above Locks are of several Prices; viz. from 11d to 32s a piece; viz.

At 11d; at 1s; at 1s 2d; at 1s 6d; at 1s 7d; at 1s 10d; at 2s 1d; at 2s 4d; at 2s 6d; at 2s 9d; at 3s; at 3s 6d; at 4s; at 4s 3d; at 4s 6d; at 4s 9d; at 5s 6d; at 6s; at 6s 6d; at 7s 6d; at 8s; at 8s 6d; at 9s; at 9s 6d; at 10s; at 12s; at 13s; at 16s; at 18s; at 21s; at 24s; at 26s; and at 32s a piece.

Besides those *Iron-Rimm'd-Locks*, and *Brass-Rimm'd-Locks* before-mentioned, there are also 26 Sorts, which are fold in Suite; viz.

At 14s; at 16s; at 19s; at 21s; at 24s; at 26s; at 28s; at 30s; at 33s; at 36s; at 38s; at 42s; at 48s; at 54s; at 60s; at 65s; at 68s; at 70s; at 76s; at 84s; at 90s; at 5l; at 5l 10s 0d; at 6l 0s 0d; at 6l 10s 0d; and at 7l 0s 0d per Suite.

D Gate-Locks, if two Wards, Three Wards, *Steel-Wards*, *Slit Key*, or *Letter-Key*; are from 2s 6d to 14s per Doz. viz.

At 2s 6d; at 2s 9d; at 3s; at 3s 4d; at 3s 6d; at 4s; at 4s 6d; at 5s; at 7s; at 7s 6d; at 8s; at 9s; at 11s; and at 14s a Dozen.

Hanging Locks, *Pad-Locks*, *Slit-Key'd-Locks*, are from 3s 6d; to 16s per Dozen; viz.

At

At 3s 6d; at 4s; at 4s 6d; at 5s 6d; at 7s; at 8s; at 9s; at 10s 6d; at 12s; at 14s; and at 16s per Dozen.

Bridg'd and Secret Pad-Locks; some are from 9s to 16s per Dozen; viz.

At 9s; at 11s; at 14s; and at 16s a Dozen.

Bridg'd and Secret Pad Locks, some are sold singly, and those are from 2s 6d to 3s 6d a Piece; viz.

At 1s 8d; at 1s 10d; at 2s 2d; at 2s 6d; at 2s 9d; at 3s 6d; at 4s; and at 3s 6d a piece.

Cabinet Locks, Box-Locks, Cupboard-Locks, Till-Locks (whether in Suite or not) are from 3s 6d to 16s per Doz. viz.

At 3s 6d; at 3s 8d; at 4s; at 4s 6d; at 5s 6d; at 7s; at 8s; at 10s; at 11s; at 14s; and at 16s per Dozen.

Cabinet Locks, Till-Locks, Escutore-Locks, in Suite, Five Locks and One Key, Desk Locks, and Book Case Locks, are from 2s to 7s a piece, viz.

At 2s; at 2s 6d; at 3s; at 3s 6d; at 4s; at 5s 6d; and at 7s a piece.

N B. *There are some of Higher price but not of common Use.*

Of *Inside-Locks for Chests, Desks, Tills, Cupboards, and Boxes*; there are sundry Sorts; viz.

X Keys, X Wards, XX Wards, XX and Bullet-Wards, S Bitted-Spring, &c. and these are sold from 3s 2d to 36s per Dozen; viz.

At 3s 2d; at 3s 6d; at 4s; at 4s 4d; at 4s 6d; at 4s 8d; at 5s 3d; at 5s 6d; at 5s 8d; at 7s; at 8s; at 9s; at 11s; at 12s; at 14s; at 16s; at 20s; at 22s; at 26s; at 28s; and at 36s a Dozen.

Inside-Locks, not sold in Dozens, but single; viz.

At 2s 2d; at 3s; at 3s 6d; at 4s 6d; at 5s; at 5s 6d; at 7s; at 8s; and at 11s a piece.

Out-side Box and Chest-Locks, sold by the Dozen, and are from 3s 2d to 19s; viz.

At

At 3s 2d; at 3s 6d; at 4s; at 4s 6d; at 5s 6d; at 7s; at 7s 6d; at 8s; at 9s 6d; at 11s; at 14s; at 16s; and at 19s per Dozen.

Out-side-Locks, for *Trunks*, and *Ban-Boxes*, are sold at 5s 6d; *Ditto* plain *Drill'd*, at 7s; *X Ward* at 8s; *Raised*, at 14s per Dozen.

Ditto Small *X Wards Cupboard* and *Till-Locks*, are sold per Dozen; viz.

At 4s 6d; and at 5s per Dozen.

IRON WORK.

Done by the *Pound Weight*, is

Casements for *Windows*, *Cross-Win-dow-Bars*, filed, and *Work* of the like *Nature*, at 4d $\frac{1}{2}$, per *Pound*.

Iron-Doors, and *Shutters*, at 10d per *Pound*.

All *hammer'd-work*, as *Chimney-Bars*, *Stays*, *Upright Window Bars*, *Iron-Fenders*, *Shutter-Bars*, *Pump-Work*, *Bolts*, *Saddle-Bars*, *Cramps*, *Hold fasts*, *Wall Hooks*, *Gudgeons*, *Hoops*, and all *Black Work* of the same *Nature*, at 3d $\frac{1}{2}$ per *Pound*.

Pins, *Hoops*, *Chains*, *Hooks*, &c. to *stable Bails*, at 4d per *Pound*.

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Out-side-Locks, for Trunks, and Boxes, are sold at 5s 6d; Ditto plain Drill'd, at 7s; X Ward at 8s; Raised, at 14s per Dozen.

Ditto Small X Wards Cupboard and Till-Locks, are sold per Dozen; viz.

At 4s 6d; and at 5s per Dozen.

IRON WORK.

Done by the Pound Weight, is Casements for Windows, Cross-Window-Bars, filed, and Work of the like Nature, at 4d $\frac{1}{2}$, per Pound.

Iron-Doors, and Shutters, at 10d per Pound.

All hammer'd-work, as Chimney-Bars, Stays, Upright-Window Bars, Iron-Fenders, Shutter-Bars, Pump-Work, Bolts, Saddle-Bars, Cramps, Hold fasts, Wall Hooks, Gudgeons, Hoops, and all Black Work of the same Nature, at 3d $\frac{1}{2}$ per Pound.

Pins, Hoops, Chains, Hooks, &c. to stable Bails, at 4d per Pound.

20 by 6-9-

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